



# Arketex

CERAMIC GLAZED STRUCTURAL TILE

FROM  
O. W. KETCHAM  
125 N. 18TH STREET  
PHILADELPHIA 3, PA.



COL  
PERMANENT  
IMPERVIOUS  
DECORATIVE  
SANITARY



The kitchen and dining rooms of the new Indiana Masonic Nursing Hospital present interesting applications of Arketex Ceramic Glazed Structural Tile.

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**BUILDING** Indiana Masonic Nursing Hospital  
Franklin, Indiana

**ARCHITECTS** McGuire & Shook, in association with  
Oslow A. Tislow, Indianapolis, Indiana

**GENERAL CONTRACTOR** Wm. P. Jungclaus Co., Inc.  
Indianapolis, Indiana

**MASONRY CONTRACTOR** Wm. Tarrant  
Indianapolis, Indiana



the accent is on color...  
and the magic of color is  
yours...with more than  
48 shades to choose from  
in the **Arketex** line!

*Color is economical*—It is the least expensive of all devices that can be used to improve the physical appearance of schools, hospitals, plants and offices. Arketex Ceramic Glazed Structural Tile walls stay beautiful forever, retaining their original lustre with minimum maintenance.

*Color boosts productivity*—Color, as well as contrasting color, cuts fatigue. Helps give the worker greatest efficiency—the building,

lowest light bills. The most complete color selection available is yours in the Arketex line.

*Color gives rooms meaning*—For instance, blue is cool, serene. Green promotes a feeling of freshness. Yellow is the light of the sun, and the color of gold. It signifies richness, gaiety, warmth and good cheer. White provides good visibility, and implies purity, integrity and generosity.

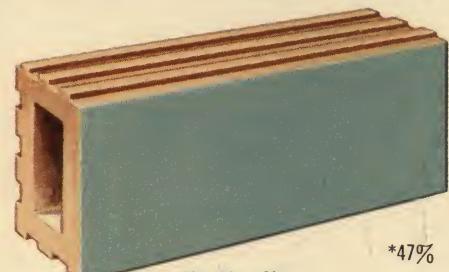
The range of rainbow hues covers every size and shape in the Arketex line.

### Standard Sizes

Of the following series of ceramic glazed structural tile, Arketex specializes in the popular 6T series. A full complement of standard shapes and sizes are manufactured for each series.

SERIES	4S	4D	6T	6P	4W	8W	6Y
NOMINAL SIZES	2 $\frac{1}{2}$ " x 8"	5 $\frac{1}{3}$ " x 8"	5 $\frac{1}{3}$ " x 12"	4" x 12"	8" x 8"	8" x 16"	12" x 12"

**Arketex**  
select quality  
ceramic colors



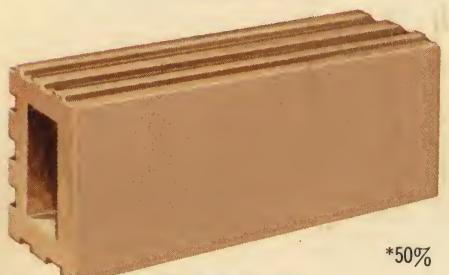
Sky Blue Gloss  
Field Shade G-334

\*47%



Rose Pink Gloss  
Field Shade G-23

\*36%



Flesh Pink Satin  
Field Shade D-28

\*50%



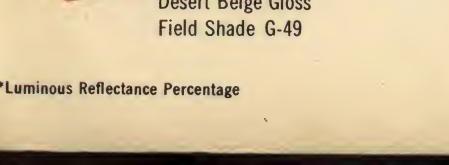
Storm Gray Gloss  
Field Shade S-293

\*18%



Desert Beige Gloss  
Field Shade G-49

\*28%



Nile Green Matt  
Field Shade D-184

\*42%



Doeskin Pink Matt  
Field Shade D-104

\*48%



Seafoam Green Stipple  
Field Shade T-186

\*52%



Oyster Ivory Stipple  
Field Shade T-112

\*62%



Pearl Gray Satin  
Field Shade S-263

\*47%



Jersey Cream Matt  
Field Shade D-171

\*56%



Pecan Brown Mottle  
Field Shade M-122

\*33%



Daffodil Yellow Gloss  
Field Shade G-179

\*62%



Mist Green Gloss  
Field Shade G-274

\*41%



Straw Buff Gloss  
Field Shade G-93



Jonquil Yellow Matt  
Field Shade D-183



Iris Blue Matt  
Field Shade D-356



Wheat Buff Mottle  
Field Shade MG-103



Dawn Gray Stipple  
Field Shade MG-47



Snowdrift White Gloss  
Field Shade G-420



Mint Green Satin  
Field Shade S-252



Apple Green Satin  
Field Shade S-298



Frost White Stipple  
Field Shade DT-421



Fern Green Matt  
Field Shade D-256



Coral Pink Satin  
Field Shade D-21



Butternut Cream Mottle  
Field Shade M-104



Maize Buff Gloss  
Field Shade G-114



Cornflower Blue Gloss  
Field Shade G-342



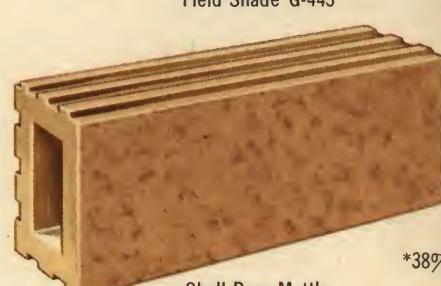
Dove Gray Gloss  
Field Shade G-443



Lime Ivory Gloss  
Field Shade G-271



Fog Gray Gloss  
Field Shade G-350



Shell Rose Mottle  
Field Shade M-612

# Arketex

*select quality  
trim shades*



Glade Green Gloss  
Trim Shade S-238

\*5%



Autumn Red Gloss  
Trim Shade G-668

\*4%



Chocolate Brown Gloss  
Trim Shade S-688

\*2%



Spruce Green Gloss  
Trim Shade S-309

\*10%



Lagoon Blue Gloss  
Trim Shade G-468

\*2%



Onyx Black Gloss  
Trim Shade G-700

\*4%



Forest Red Mottle  
Trim Shade MG-669

\*8%



Granite Black Mottle  
Trim Shade MG-700

\*2%

new! 5 decorator colors  
in the same popular clear glaze price range!

# Arkelite

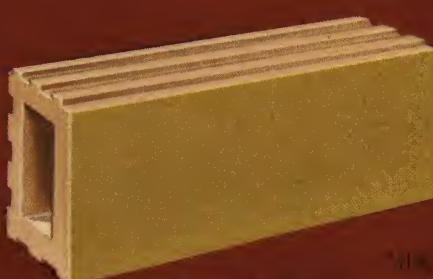
*select quality*



Linen-Cream Gloss  
Trim Shade G-902



Linen-Cream Gloss  
Trim Shade G-902



Linen-Cream Gloss  
Trim Shade G-902



Poplar Gray Satin  
Trim Shade A-71



Poplar Gray Satin  
Trim Shade A-71



An unusual installation is the Arketex Ceramic Glazed Structural Tile in the observation tower of the Life and Casualty Insurance Company of Tennessee.

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**BUILDING** Life and Casualty Tower  
Nashville, Tennessee

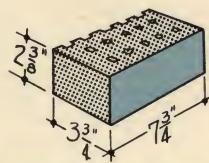
**ARCHITECT** Edwin A. Keeble Associates, Inc.  
Nashville, Tennessee

**GENERAL CONTRACTOR** J. A. Jones Construction Company  
Charlotte, North Carolina

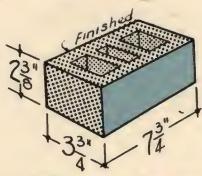
**MASONRY CONTRACTOR** Elliott and McIntosh  
Nashville, Tennessee



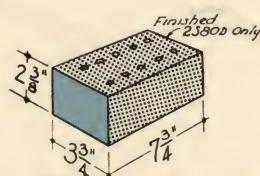
**STRETCHER Group**



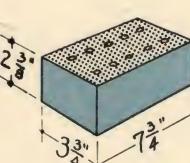
4Sg—as shown  
4Ssu—unselected smooth back



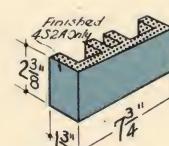
4SD—as shown  
4Ssm—unselected glazed back



2S80—as shown  
2S80D—2 ends



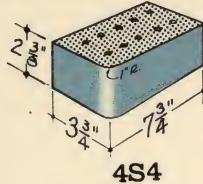
4S2 Quoin



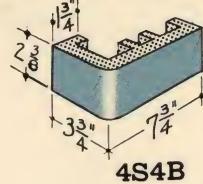
4SA—Soap Stretcher  
4S2A—Soap Quoin

NOTE—Unless a specific type of back is required, shipments may be facilitated by simply ordering (4S) stretchers, in the 4" thickness, thus permitting us to ship whichever type is available.

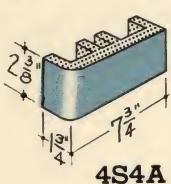
**CORNERS, JAMBS & OCTAGONS Group I**



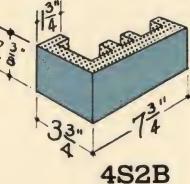
4S6  
4S6A—Soap



3S9  
3S9A—Soap

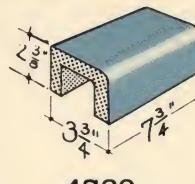


3S8

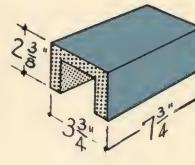


2S280

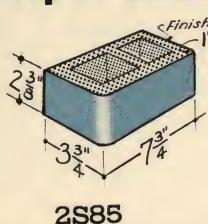
**SILLS Group II**



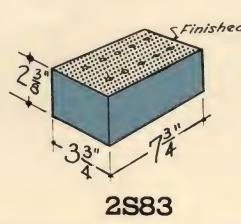
4S10



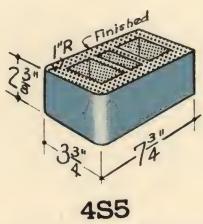
**Group III SHAPES**



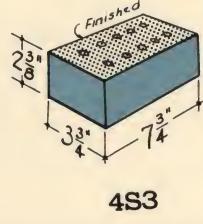
2S85



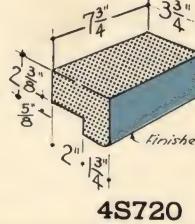
2S83



4S5

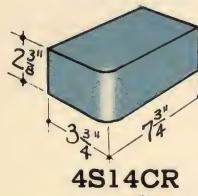


4S3

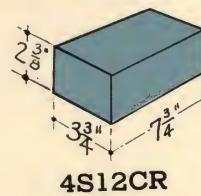


4S720

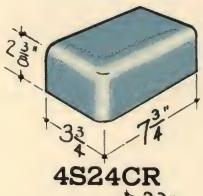
**Group IV SHAPES**



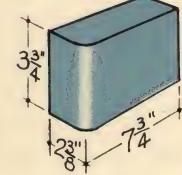
4S14CR



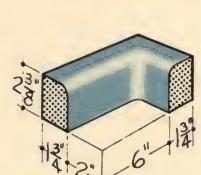
4S12CR



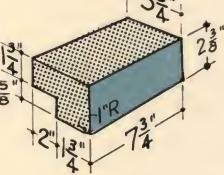
4S24CR



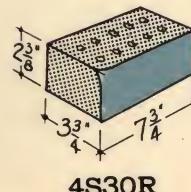
4S15R



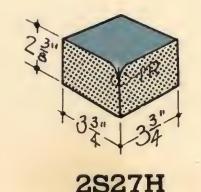
3S28L



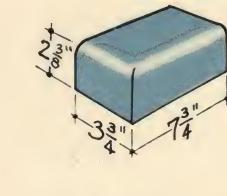
4S31R



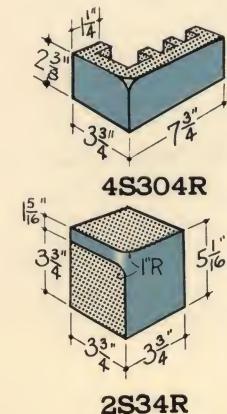
4S30R



2S27H



4S304R



2S34R

**NOTE—**

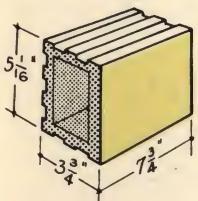
Cove base, Radials and Box Cap are not made in this series.—See 4D series.

Short lengths and heights are furnished only on special order and at same price as full lengths and heights.

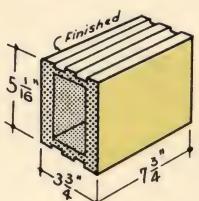
# 4D (5 $\frac{1}{3}$ " x 8" face) Series

NOMINAL

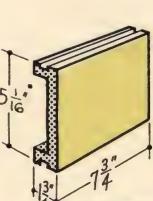
## STRETCHER Group



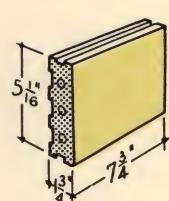
4DCgr-as shown  
4DCsu unselected  
smooth back



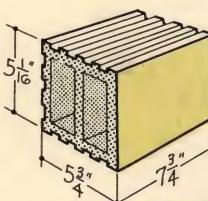
4DCD-as shown  
4DCsm-unselected  
glazed back



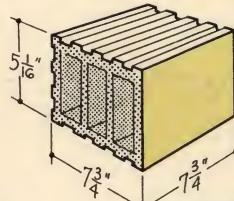
4DCA



4DA



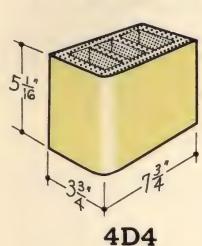
4DC60gr



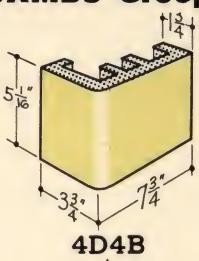
4DC80gr

NOTE—Unless a specific type of back is required, shipments may be facilitated by simply ordering (4DC) stretchers, in the 4" thickness, thus permitting us to ship whichever type is available.

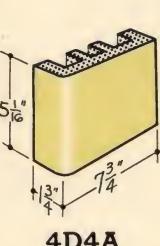
## CORNERS & JAMBS Group I



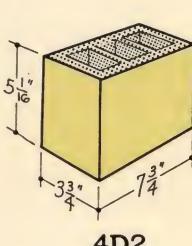
4D4



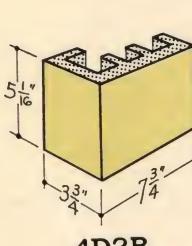
4D4B



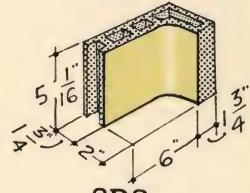
4D4A



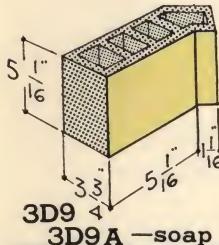
4D2



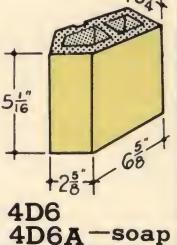
4D2B



3D8

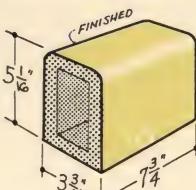


3D9  
3D9A—soap

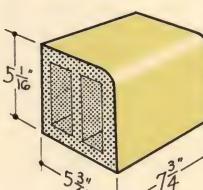


4D6  
4D6A—soap

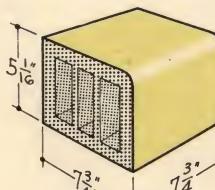
## Group III SHAPES



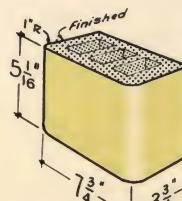
4D20D—Bullnose  
4D10D—Square



4D260—Bullnose  
4D160—Square

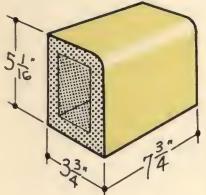


4D280—Bullnose  
4D180—Square

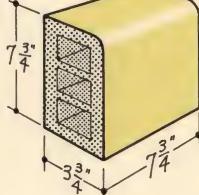


2D85—Bullnose  
2D83—Square  
2D65—5 $\frac{3}{4}$ " wide

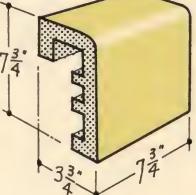
## SILLS & CAPS Group II



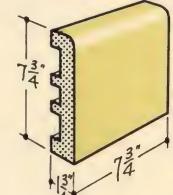
4D20—Bullnose  
4D10—Square



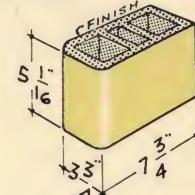
4W20  
4W10—square



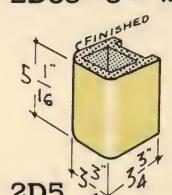
4W20B  
4W10B—square



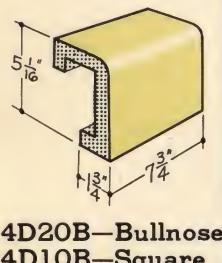
4W20A  
4W10A—Square



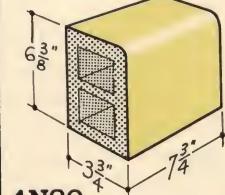
4D5—Bullnose  
4D3—Square



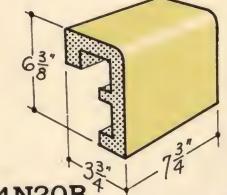
2D5  
2D3—Square



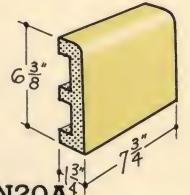
4D20B—Bullnose  
4D10B—Square



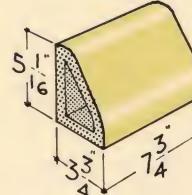
4N20  
4N10—Square



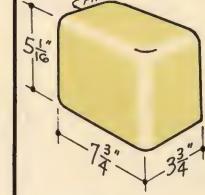
4N20B  
4N10B—Square



4N20A  
4N10A—Square

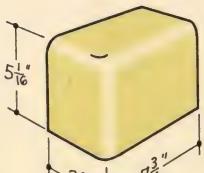


4D70

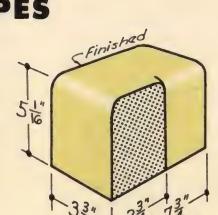


2D285  
2D283—Square  
2D265—5 $\frac{3}{4}$ " wide

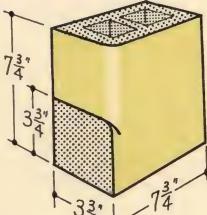
## Group V SHAPES



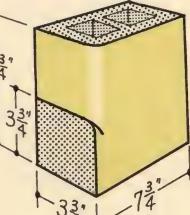
4D20A—Bullnose  
4D10A—Square



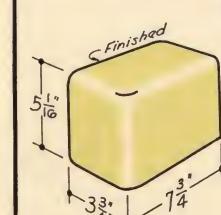
4D24CR  
4D12CR—Square



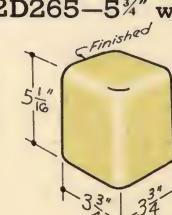
4D24x27R



4D34R

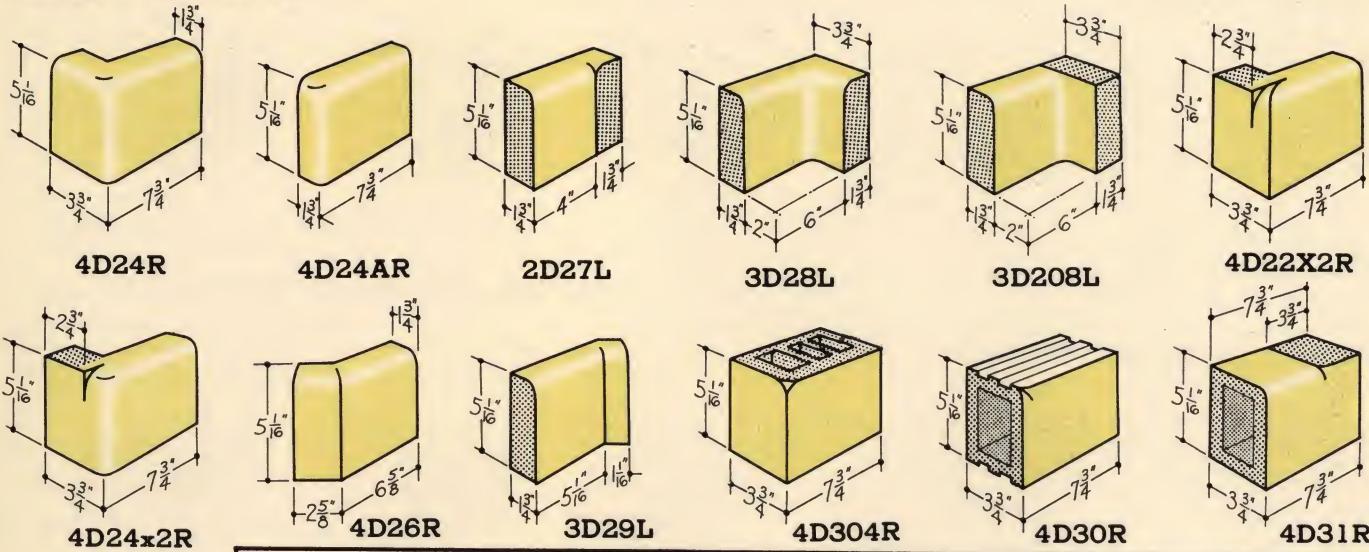


4D25  
4D23—Square

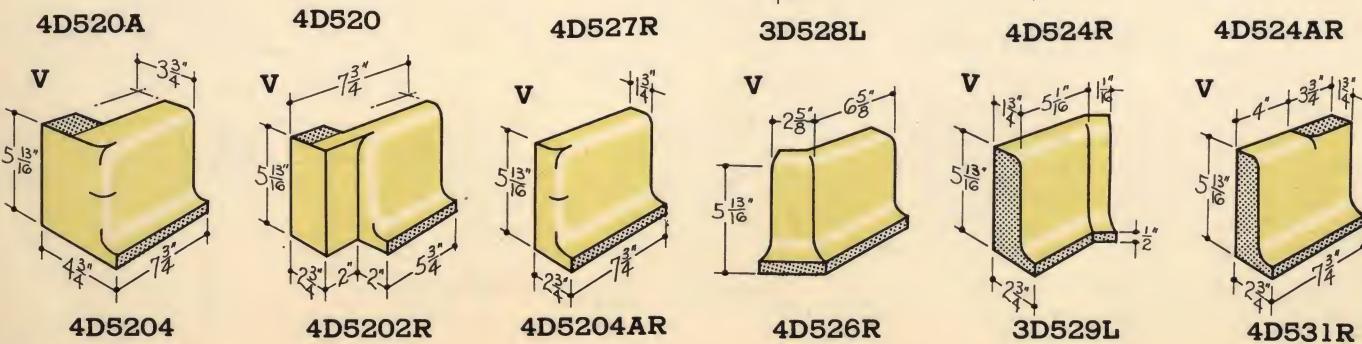
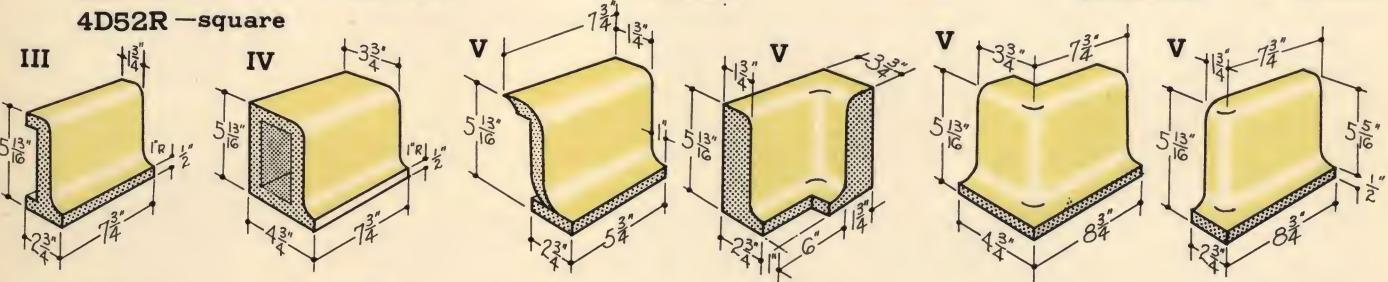
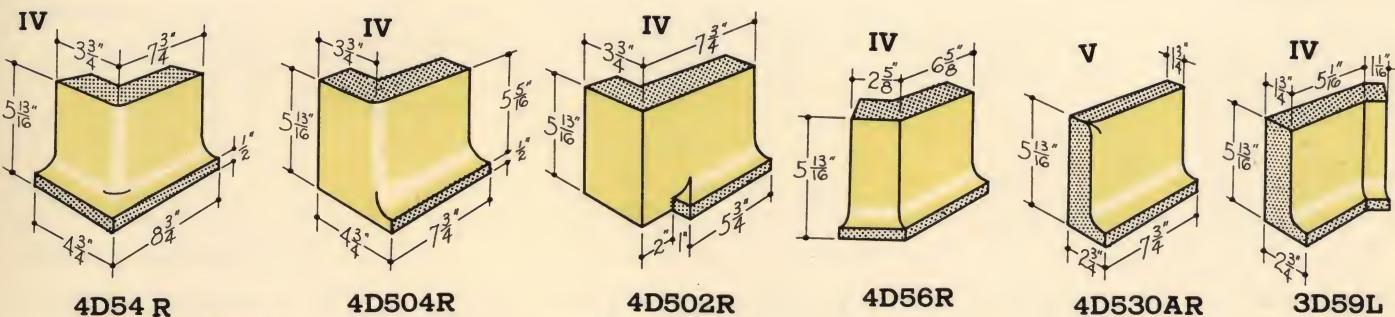
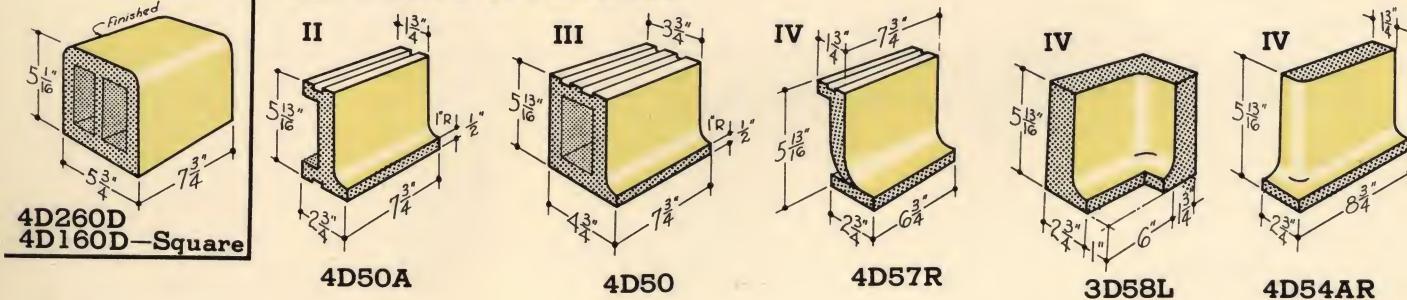


2D25  
2D23—Square

**Group IV SHAPES**



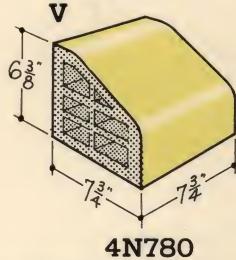
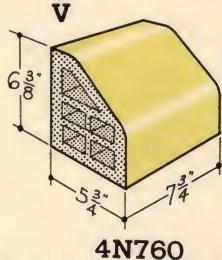
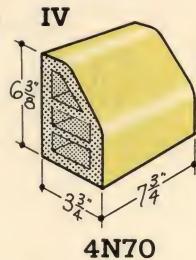
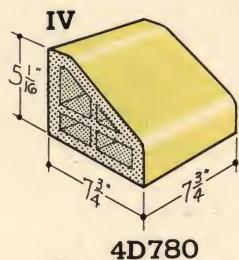
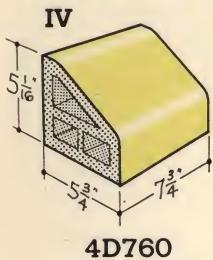
**COVE BASE & FITTINGS**



# 4D (5 $\frac{1}{3}$ " x 8" face) Series

NOMINAL

## SLOPE SILLS



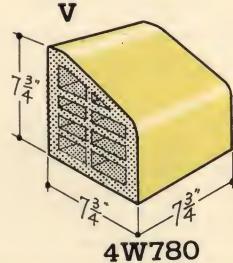
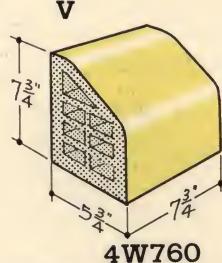
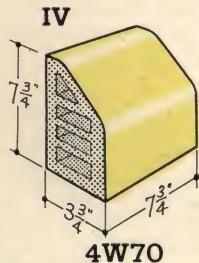
4D760

4D780

4N70

4N760

4N780

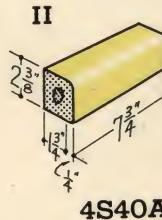
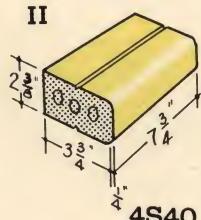


4W70

4W760

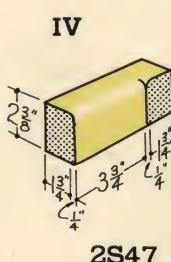
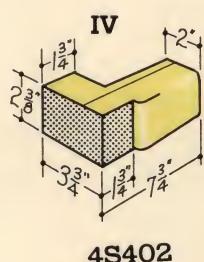
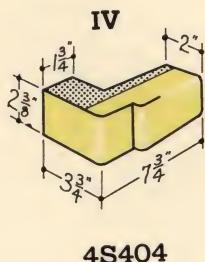
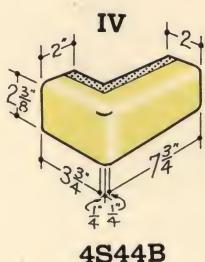
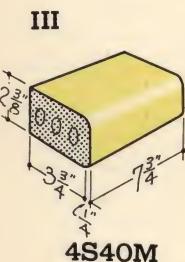
4W780

## BOX CAP



4S40

4S40A



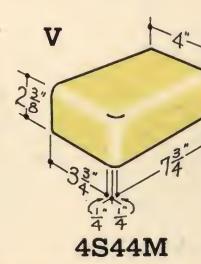
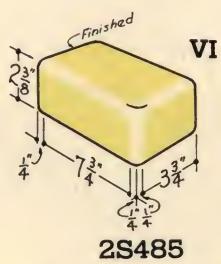
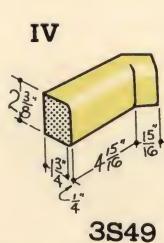
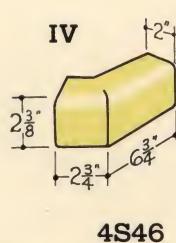
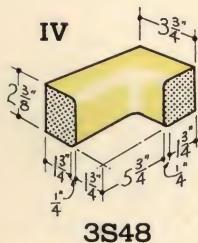
4S40M

4S44B

4S404

4S402

2S47



3S48

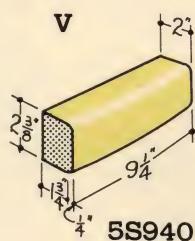
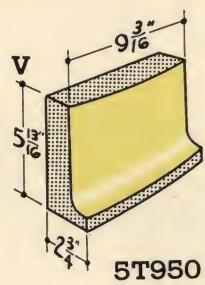
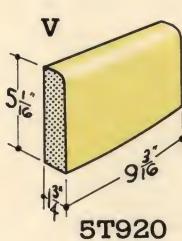
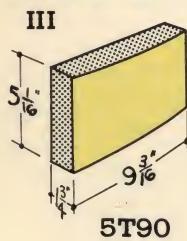
4S46

3S49

2S485

4S44M

## RADIALS

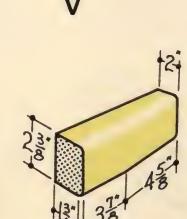
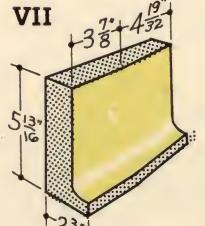
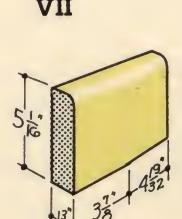
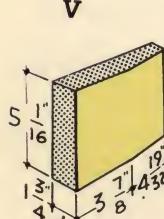


5T90

5T920

5T950

5S940



4D91

4D921L

4D951L

4S941

## RADIAL NOTES

Internal radials are similar in numbering and dimensions except prefix the letter "I" to the corresponding external numbers.

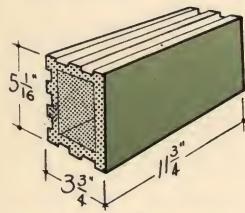
The standard radii for external radials are 12" and 24" and for internal radials 48". In ordering prefix radius in inches to shape number. Example for external (24-5T90) for internal (48-5IT90).

For all radials other than standard, Group III are Group IV, Group V are Group X and Group VII are Group XII.

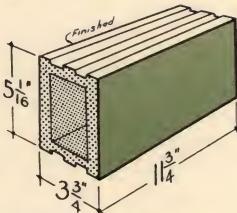
# 6T (5 $\frac{1}{3}$ " x 12" face) Series

NOMINAL

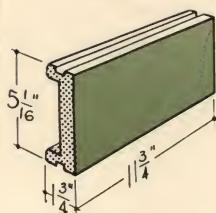
## STRETCHER Group



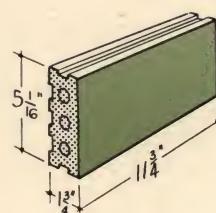
6TCgr—as shown  
6TCsu—unselected  
smooth back



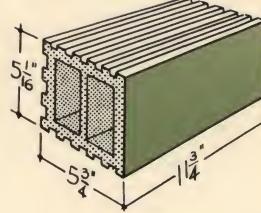
6TCD—as shown  
6TCsm—unselected  
glazed back



6TCA

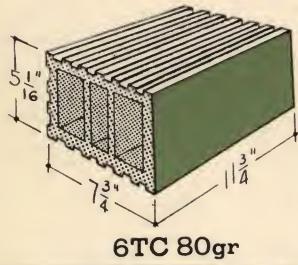


6TA



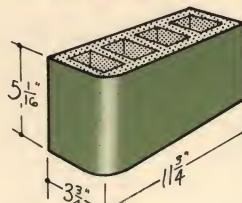
6TC 60gr

NOTE Unless a specific type of back is required, shipments may be facilitated by simply ordering (6TC) stretchers, in the 4" thickness, thus permitting us to ship whichever type is available.

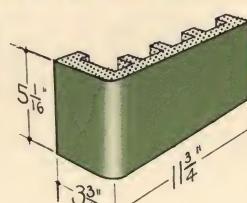


6TC 80gr

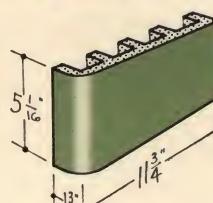
## CORNERS, JAMBS & OCTAGONS Group I



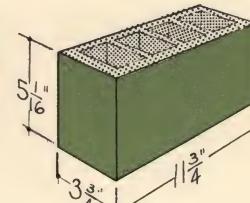
6T4



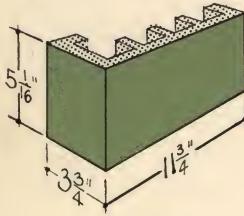
6T4B



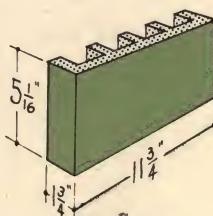
6T4A



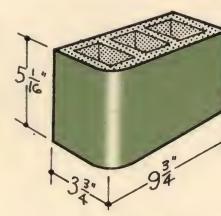
6T2



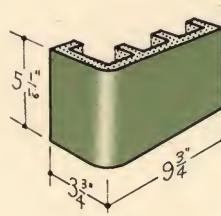
6T2B



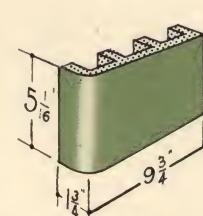
6T2A



5T4

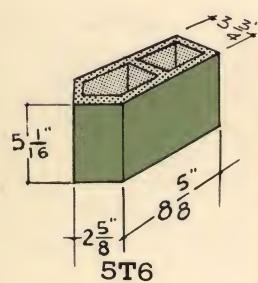


5T4B

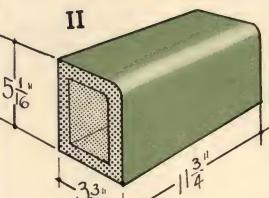


5T4A

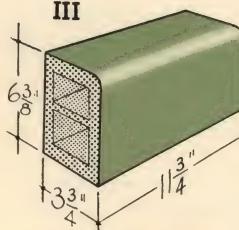
## SILLS & CAPS



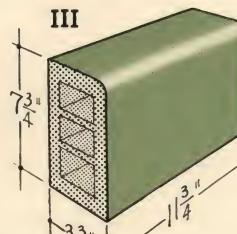
5T6



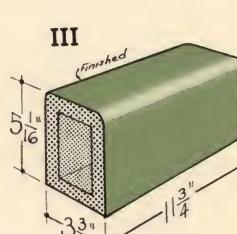
6T20—Bullnose  
6T10—Square



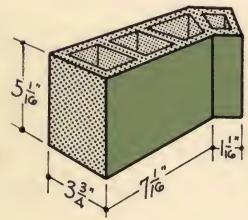
6N20—Bullnose  
6N10—Square



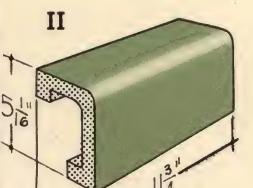
6W20—Bullnose  
6W10—Square



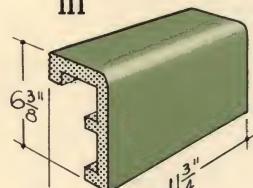
6T20D—Bullnose  
6T10D—Square



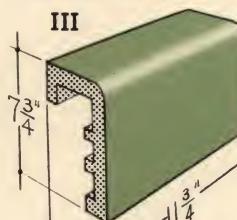
4T9



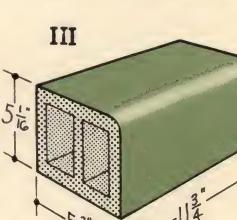
6T20B—Bullnose  
6T10B—Square



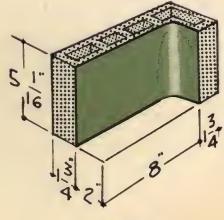
6N20B—Bullnose  
6N10B—Square



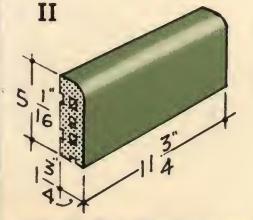
6W20B—Bullnose  
6W10B—Square



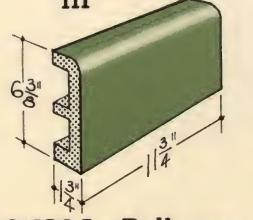
6T260—Bullnose  
6T160—Square



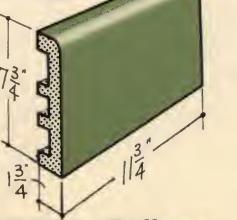
4T8



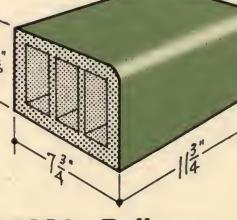
6T20A—Bullnose  
6T10A—Square



6N20A—Bullnose  
6N10A—Square



6W20A—Bullnose  
6W10A—Square

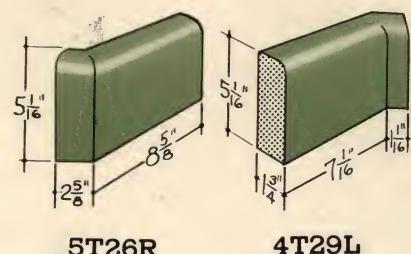
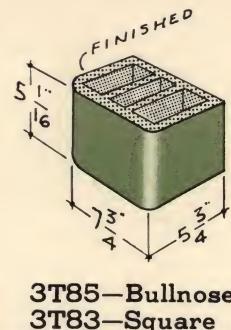
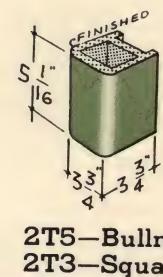
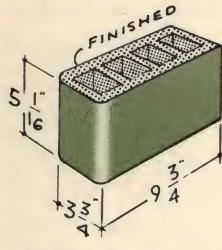


6T280—Bullnose  
6T180—Square

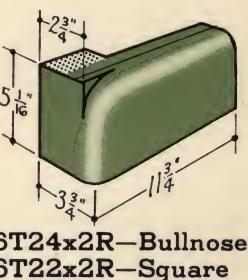
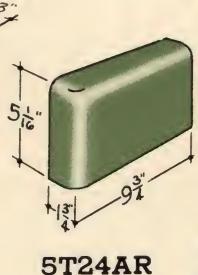
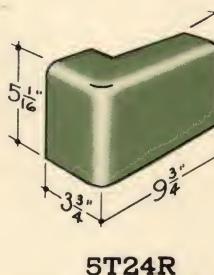
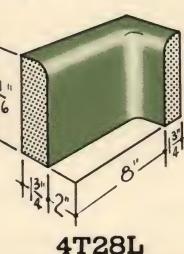
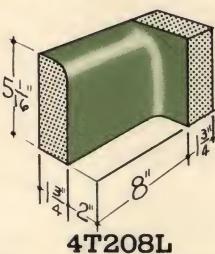
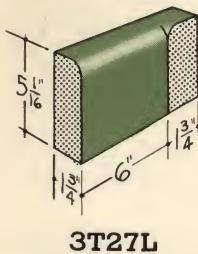
# 6T (5 $\frac{1}{3}$ " x 12" face) Series

NOMINAL

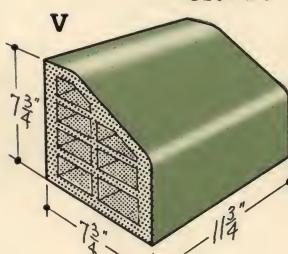
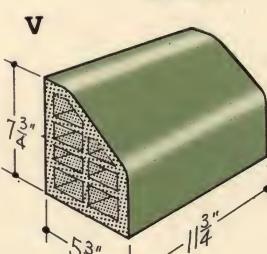
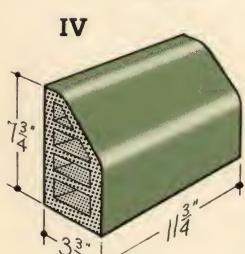
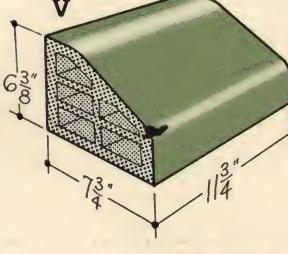
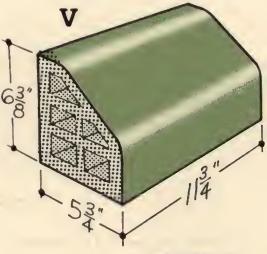
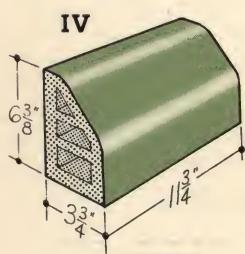
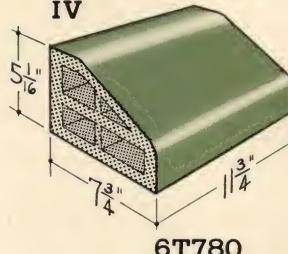
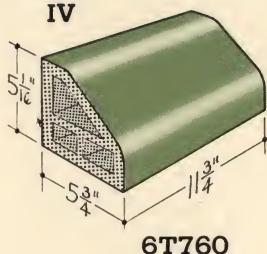
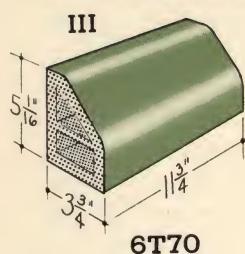
## WALL ENDS Group III



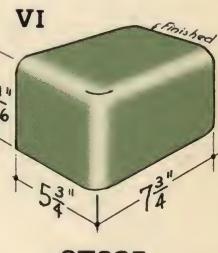
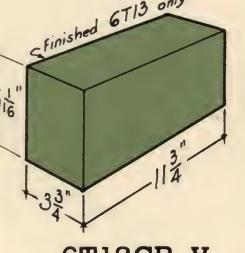
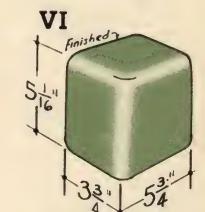
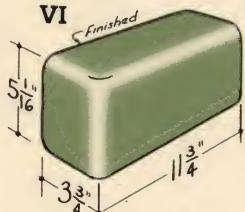
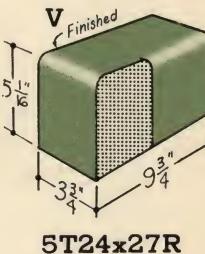
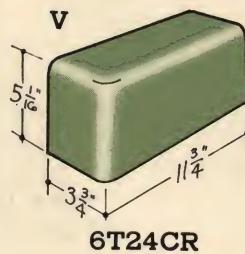
## SILL & CAP FITTINGS Group IV



## SLOPE SILLS

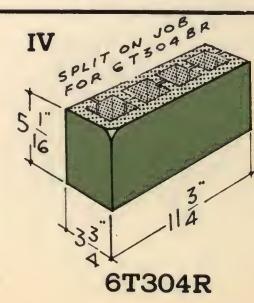
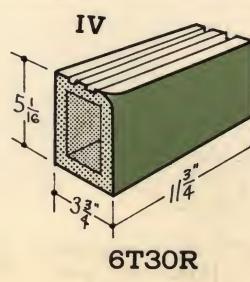
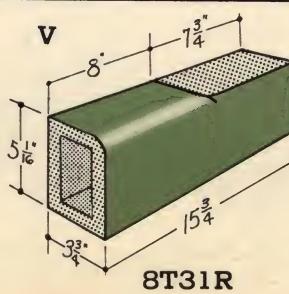
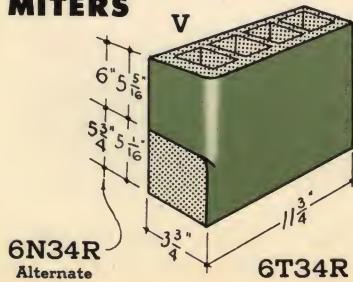


## COPING ENDS



3T265—5 $\frac{1}{4}$ " wide

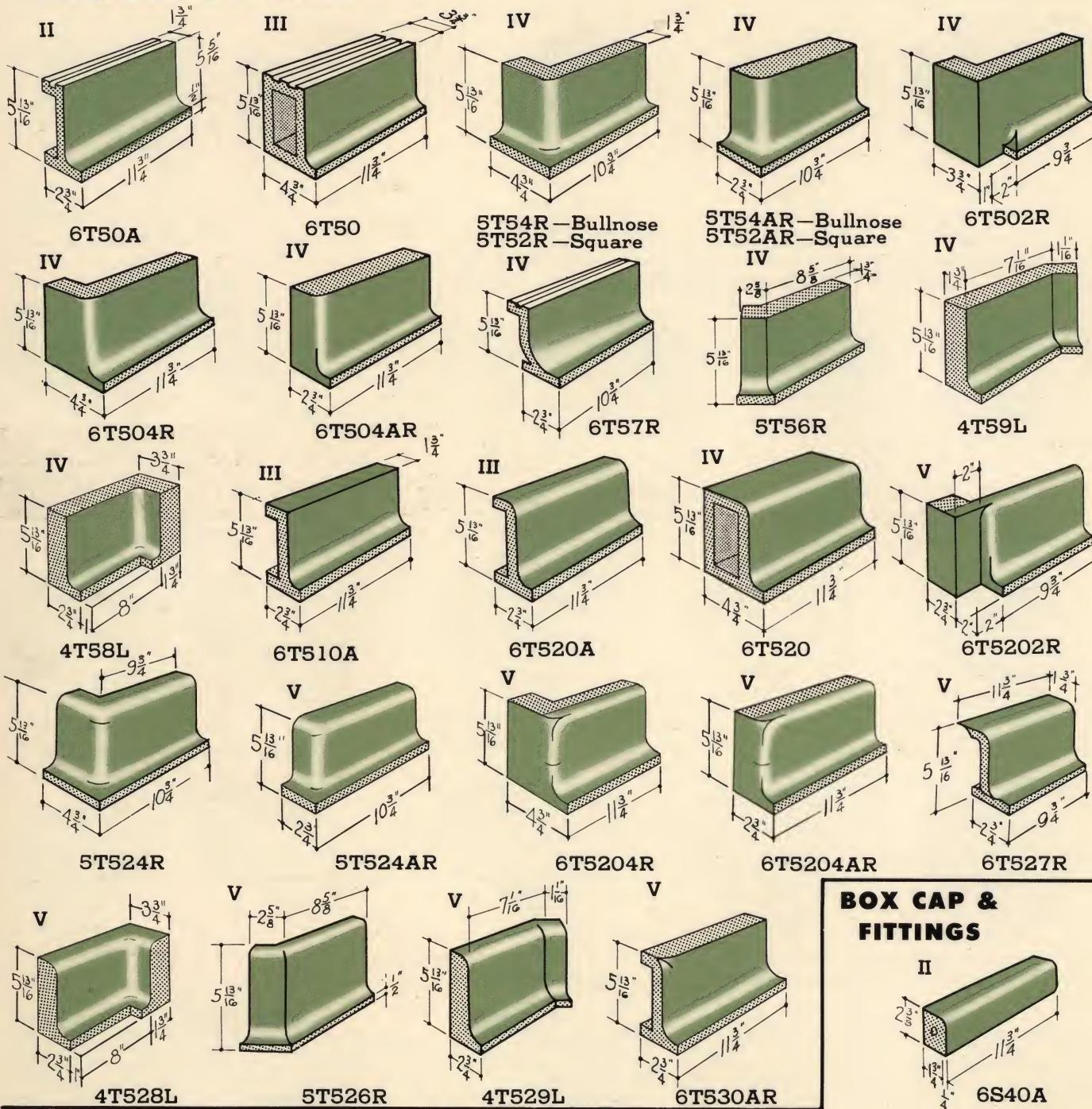
## MITERS



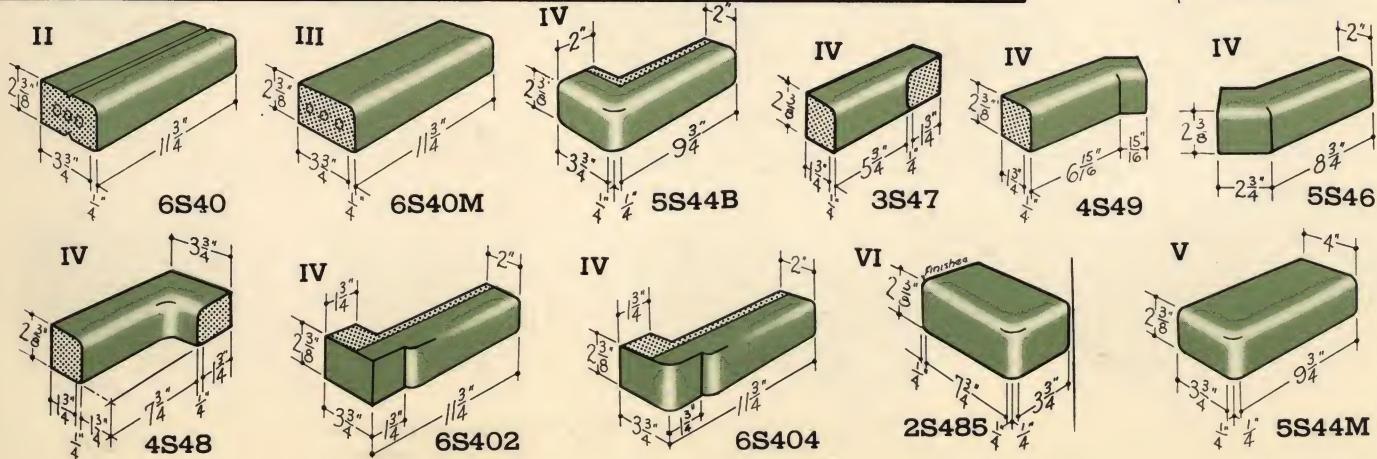
# 6T (5 $\frac{1}{3}$ " x 12" face) Series

NOMINAL

## COVE BASE & FITTINGS



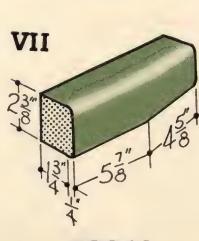
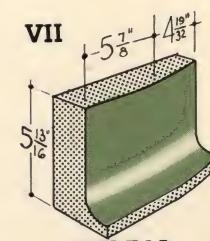
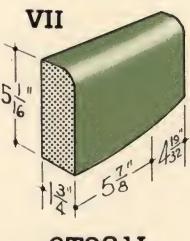
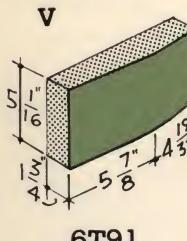
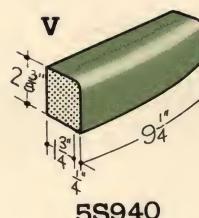
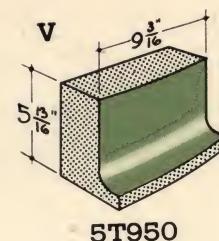
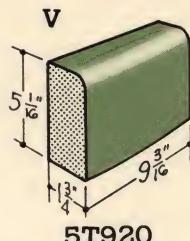
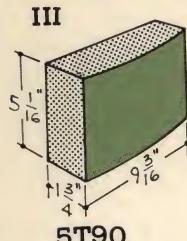
## BOX CAP & FITTINGS



# 6T (5 $\frac{1}{3}$ " x 12" face) Series

NOMINAL

## RADIALS



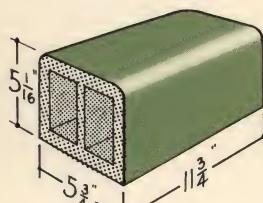
## RADIAL NOTES

Internal radials are similar in numbering and dimensions except prefix the letter "I" to the corresponding external numbers.

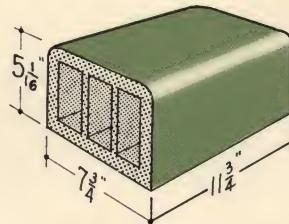
The standard radii for external radials are 12" and 24" and for internal radials 48". In ordering prefix radius in inches to shape number. Example for external (24-5T90) for internal (48-5T90).

For all radii other than standard, Group III are Group IV, Group V are Group X and Group VII are Group XII.

## COPINGS Group IV

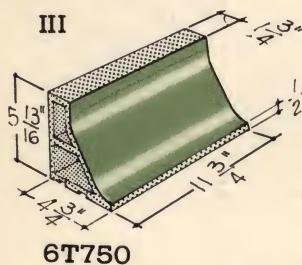


6T260D—Bullnose  
6T160D—Square

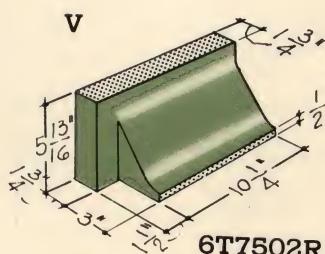


6T280D—Bullnose  
6T180D—Square

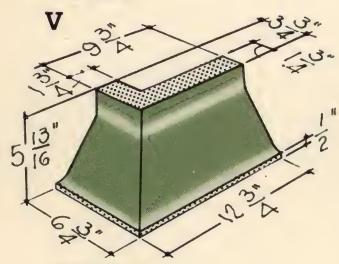
## SPLAYED BASE



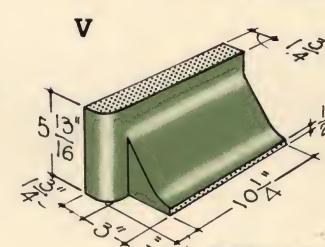
6T750



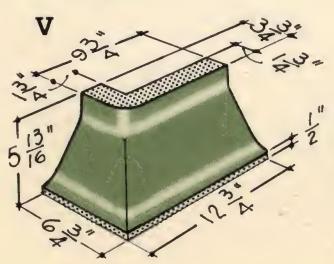
6T7502R



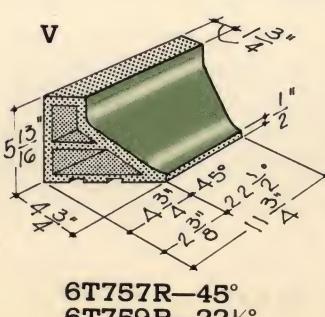
6T752R



6T7504R



6T754R

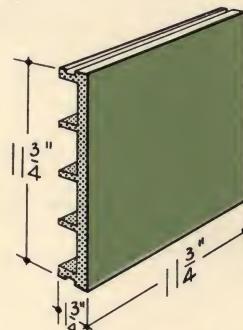


6T757R-45°  
6T759R-22 $\frac{1}{2}$ °

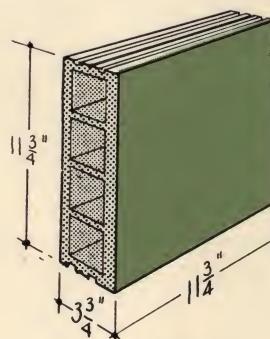
## 6Y (12" x 12" face) Series

NOMINAL

## STRETCHER Group

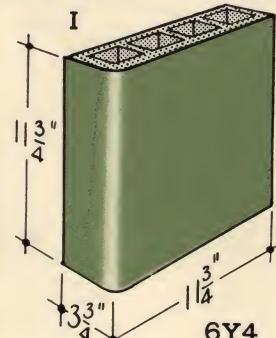


6YCA

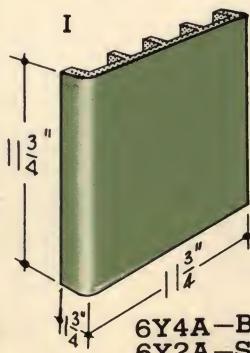


6YSU

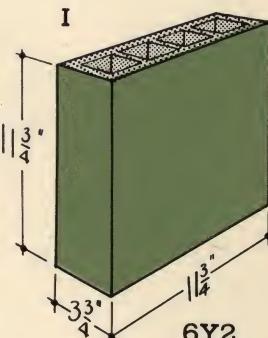
## SHAPES



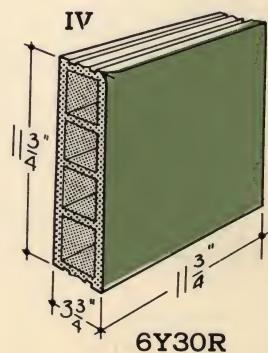
6Y4



6Y2A—Bullnose  
6Y2A—Square



6Y2

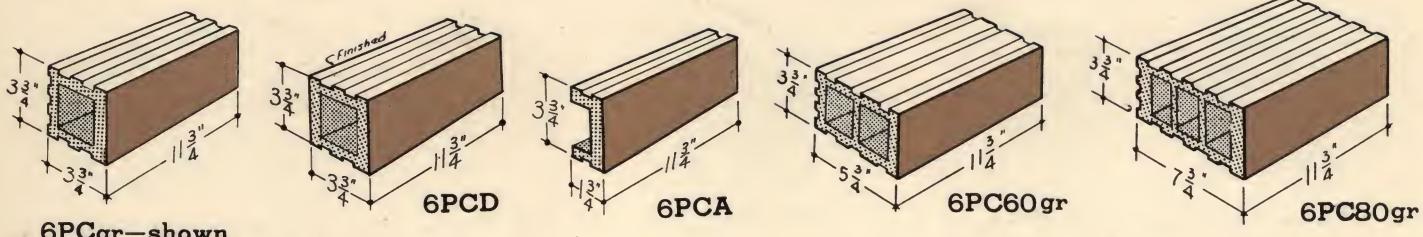


6Y30R

# 6 P (4" x 12" face) Series

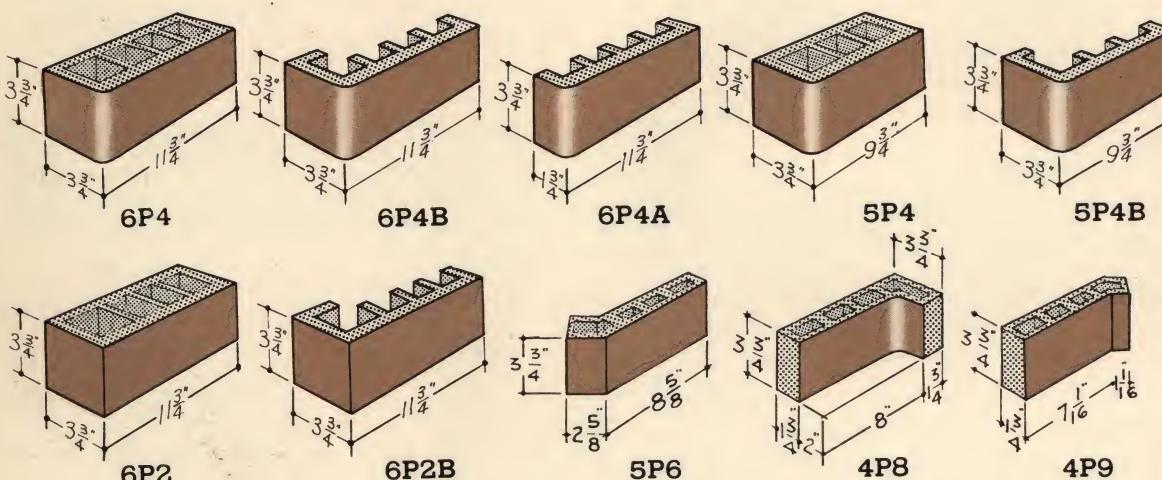
NOMINAL

## STRETCHER Group

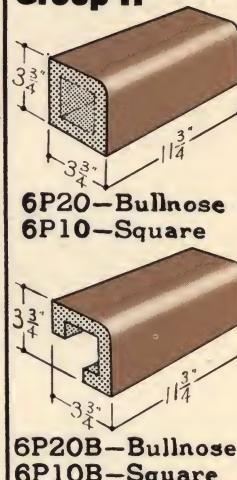


NOTE Unless a specific type of back is required, shipments may be facilitated by simply ordering (6PC) stretchers, in the 4" thickness, thus permitting us to ship whichever type is available.

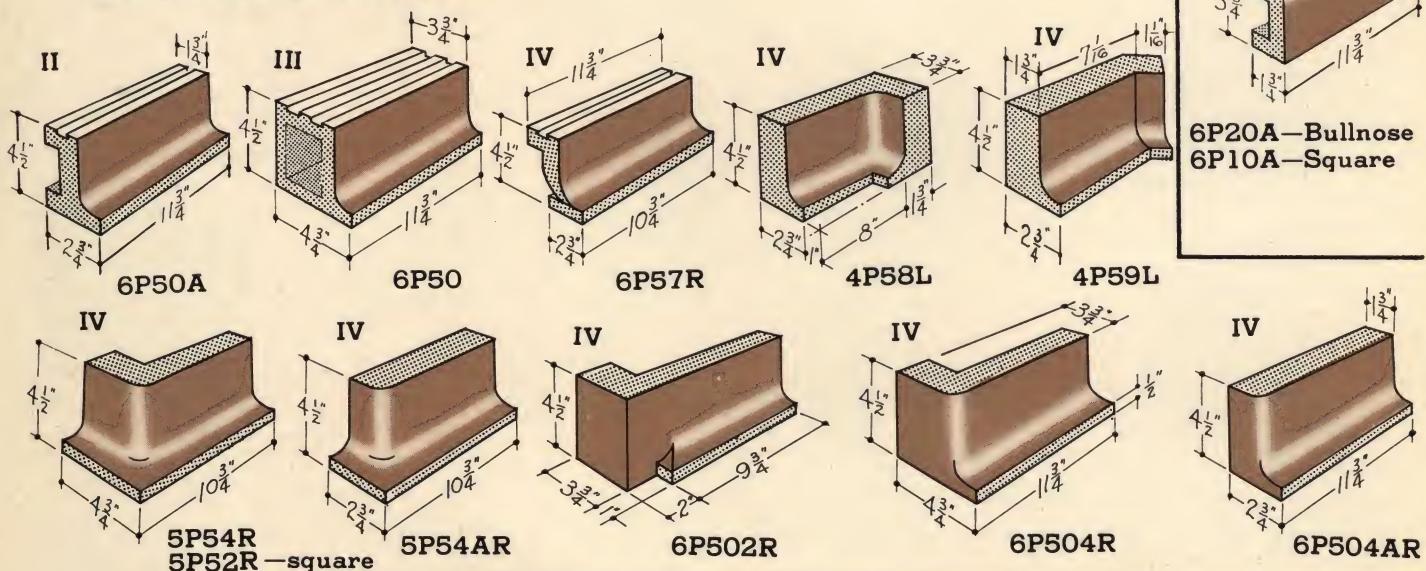
## CORNERS, JAMBS Group I



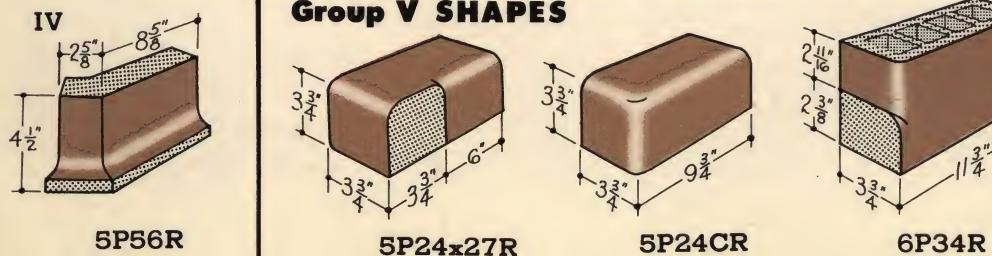
## SILLS & CAPS Group II



## COVE BASE & FITTINGS



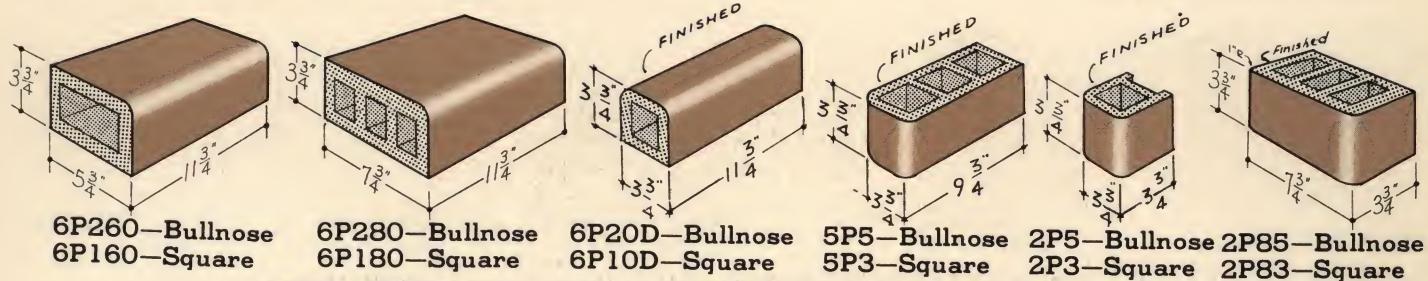
## Group V SHAPES



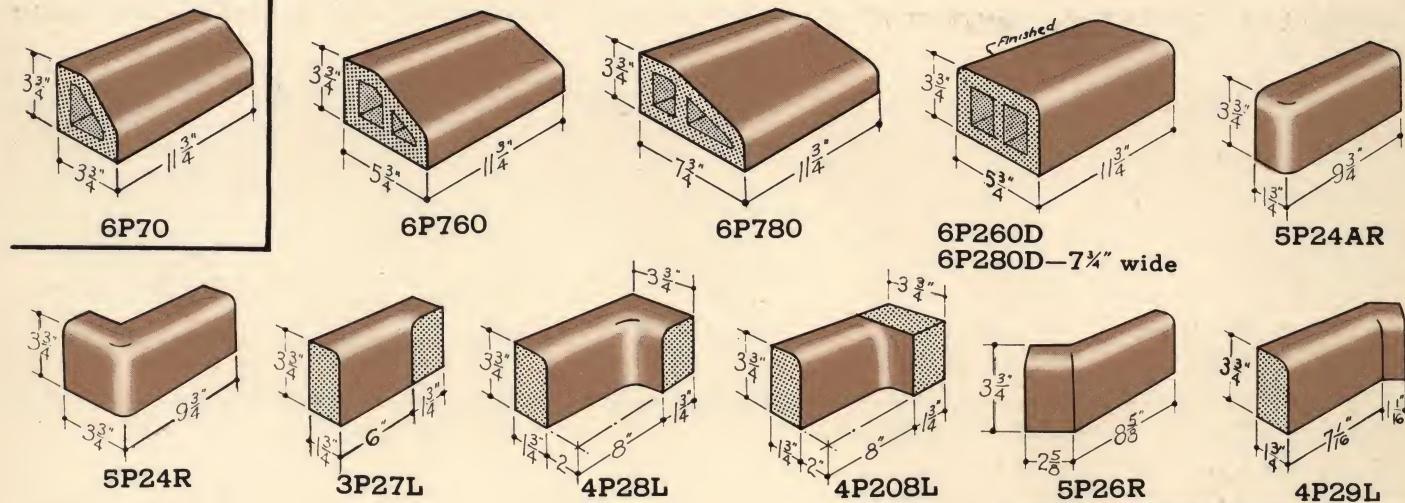
# 6P (4" x 12" face) Series

NOMINAL

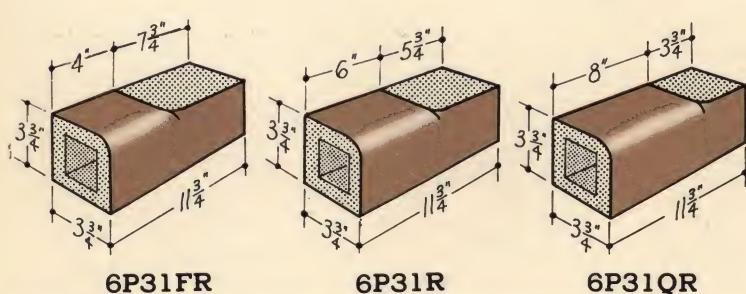
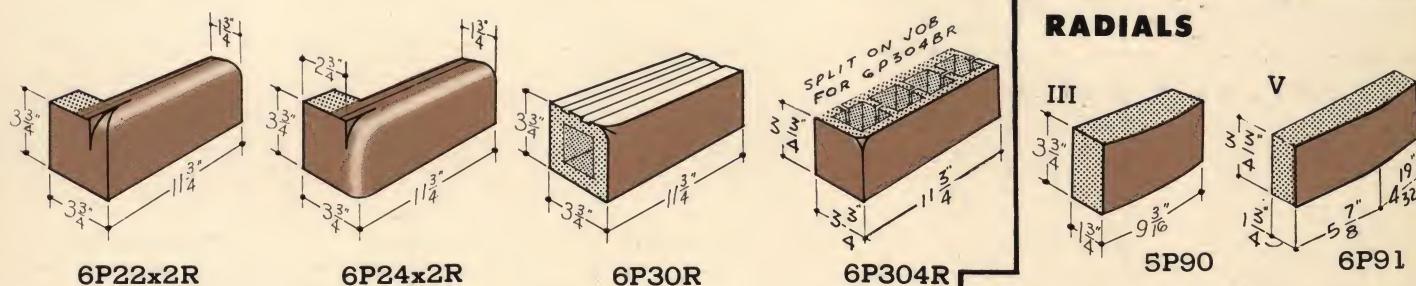
## Group III SHAPES



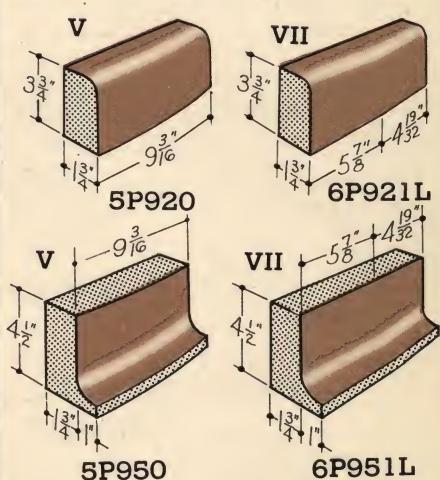
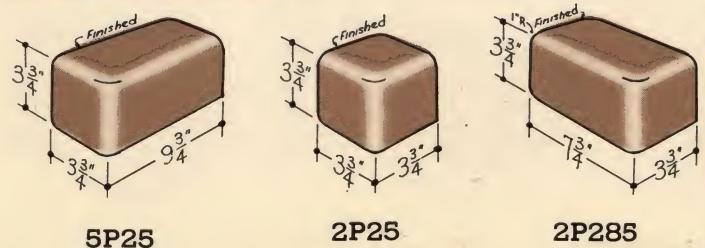
## Group IV SHAPES



## RADIALS



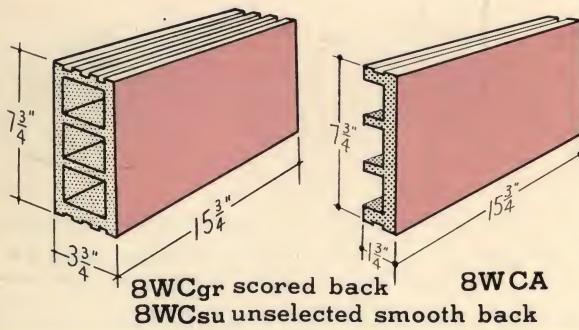
## Group VI SHAPES



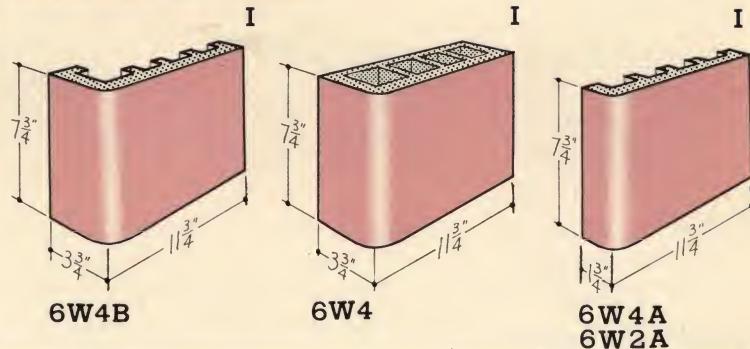
## RADIAL NOTES

See 4D Series

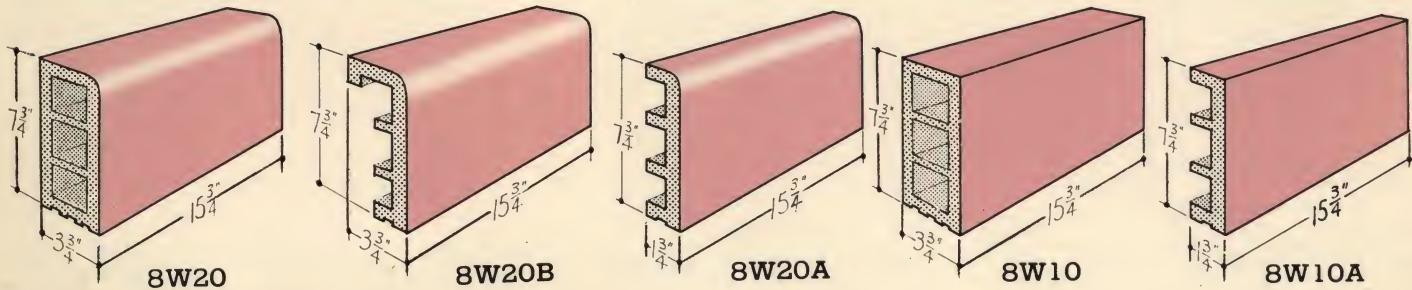
**STRETCHER Group**



**CORNERS & JAMBS**

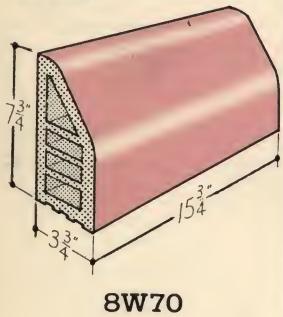


**SILLS & CAPS Group II**

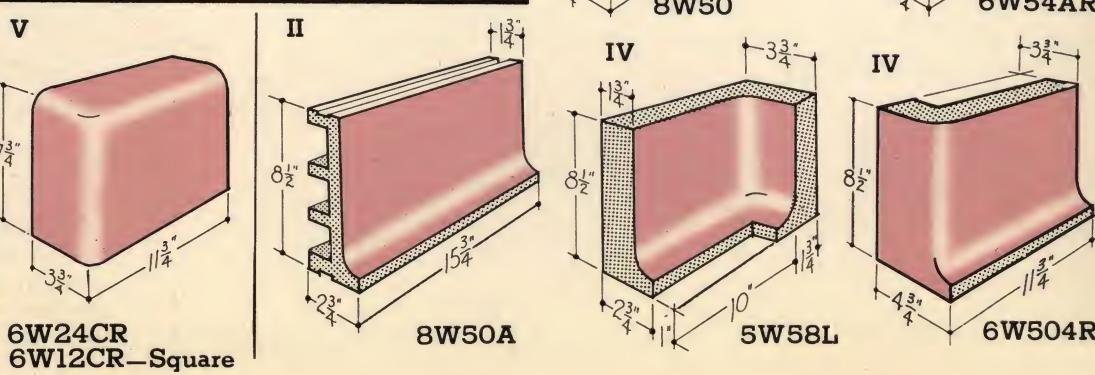
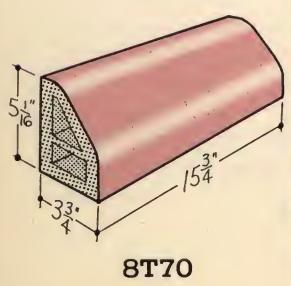
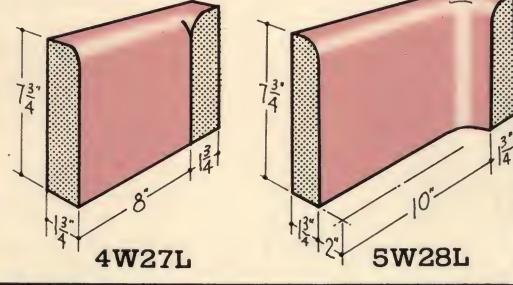
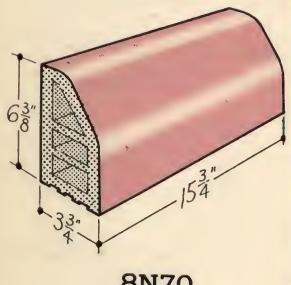
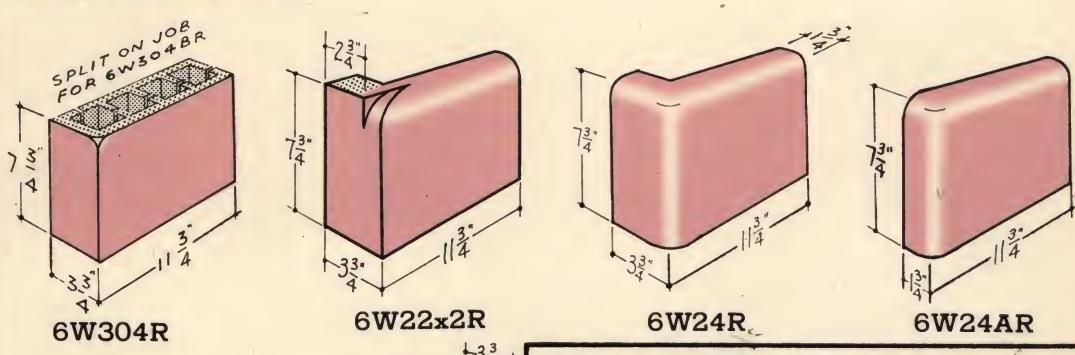


**SLOPE SILLS**

**Group III**

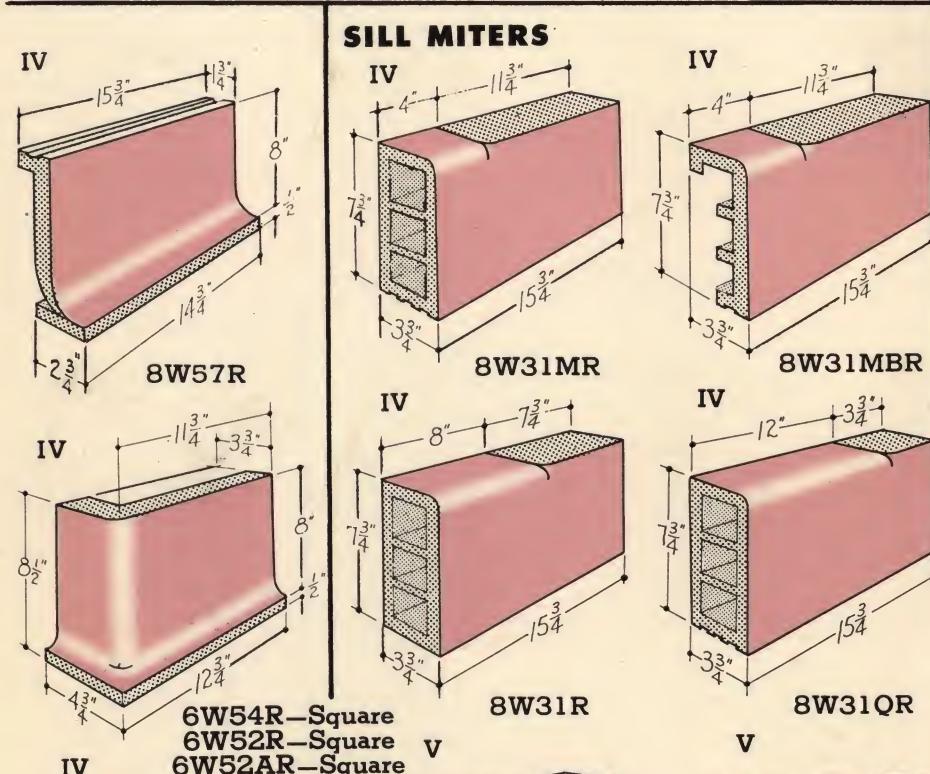
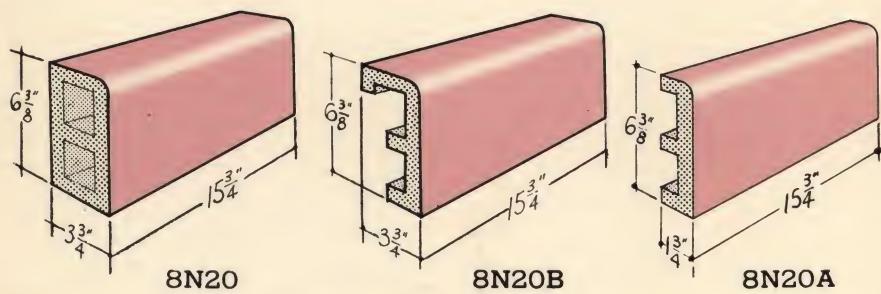
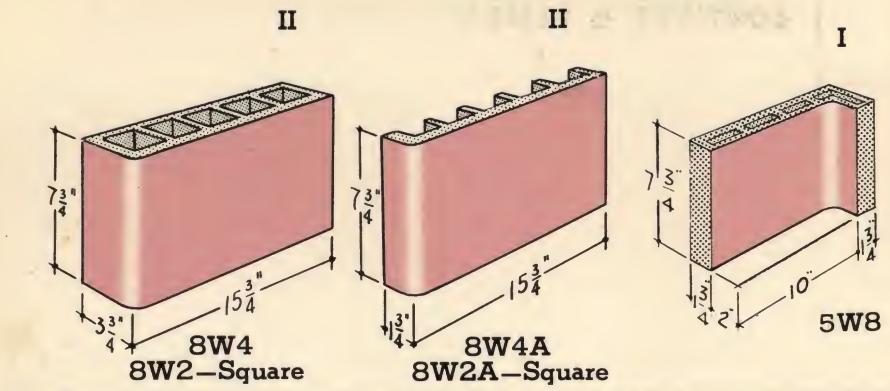


**Group IV SHAPES**

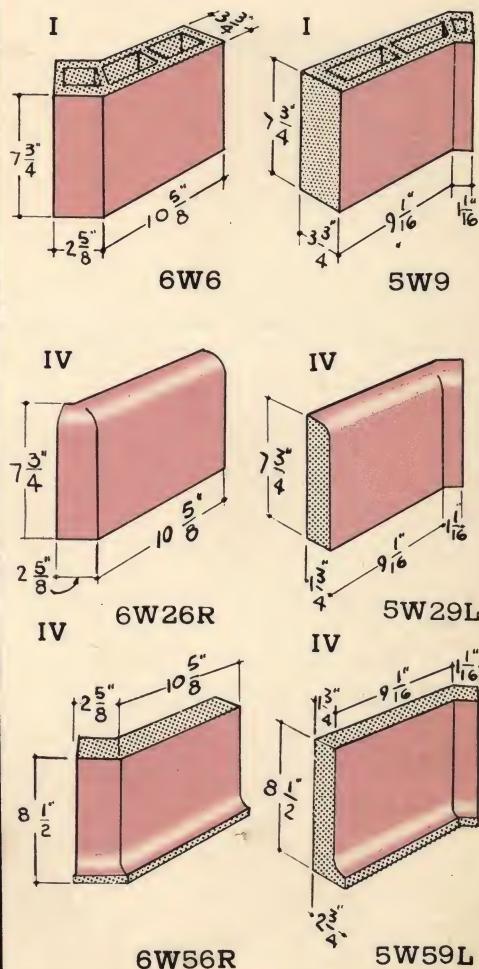


# 8W (8" x 16" face) Series

NOMINAL



## OCTAGONS



## NOTE —

The 4W, 8W, and 6Y series are furnished only with sized edges.

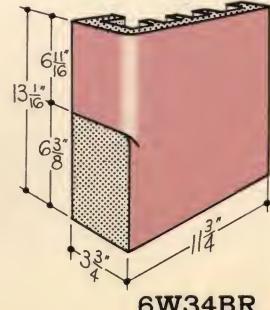
We do not furnish 2 face units in any series with sized edges.

## GENERAL NOTES

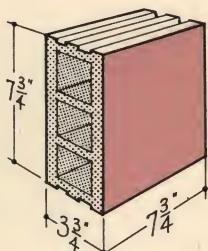
All radii shown on the foregoing shape sheets are 1" unless otherwise shown.

All short length and short height units, are priced the same as full length and full height similar units, in the same series.

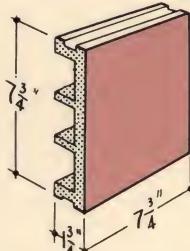
## SILL MITERS



**STRETCHER Group**

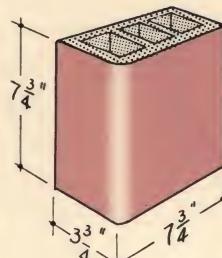


4Wsu - unselected smooth back  
4Wgr - scored back

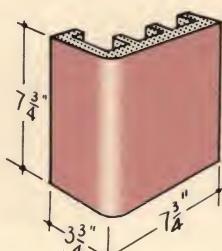


4WCA

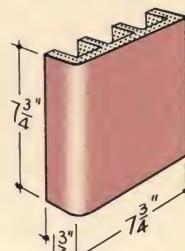
**CORNERS & JAMBS Group I**



4W4

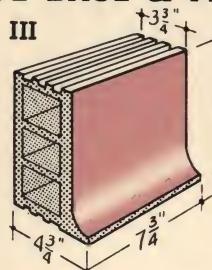


4W4B

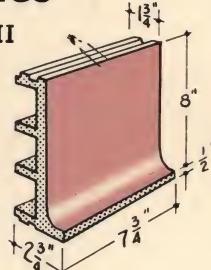


4W4A

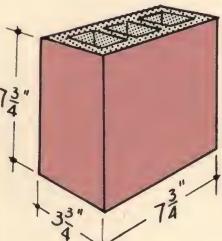
**COVE BASE & FITTINGS**



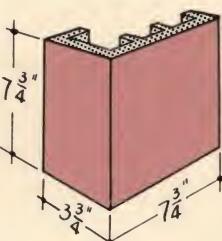
4W50



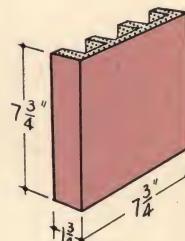
4W50A



4W2

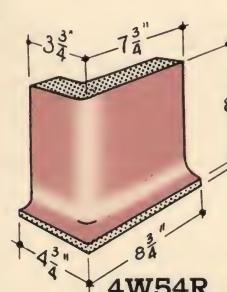


4W2B

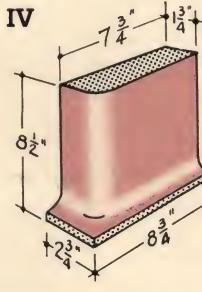


4W2A

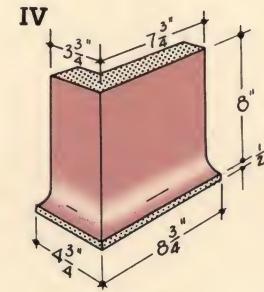
IV



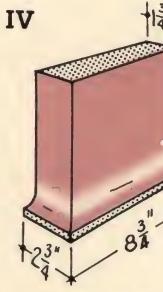
4W54R  
4W52R-Square



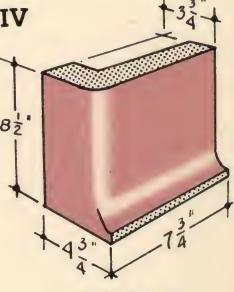
4W54AR



4W52R

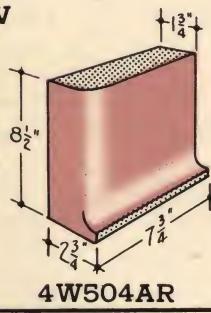


4W52AR



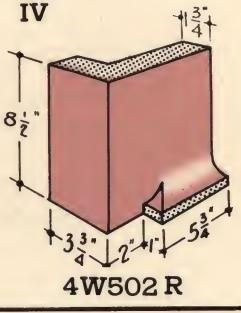
4W504 R

IV



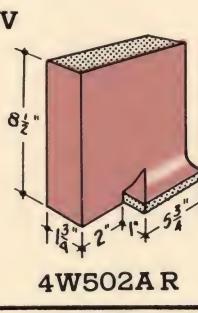
4W504AR

IV



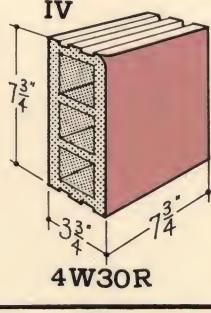
4W502 R

IV



4W502AR

IV



4W30R

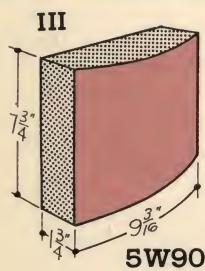
**RADIALS**

Internal radials are similar in numbering and dimensions except prefix the letter "I" to the corresponding external numbers.

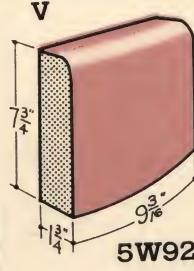
The standard radii for external radials are 12" and 24" and for internal radials 48". In ordering prefix radius in inches to shape number. Example for external (24-5T90) for internal (48-5IT90).

For all radii other than standard, Group III are Group IV, Group V are Group X and Group VII are Group XII.

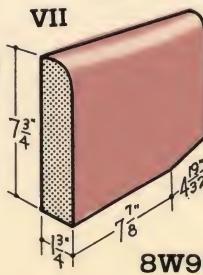
NOTE: Radials are similar for 4W and 8W series.



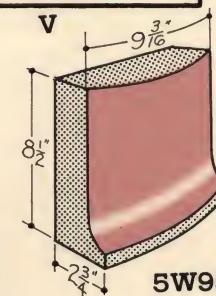
5W90



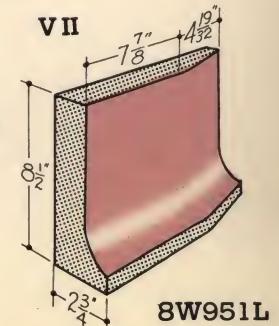
5W920



8W921L

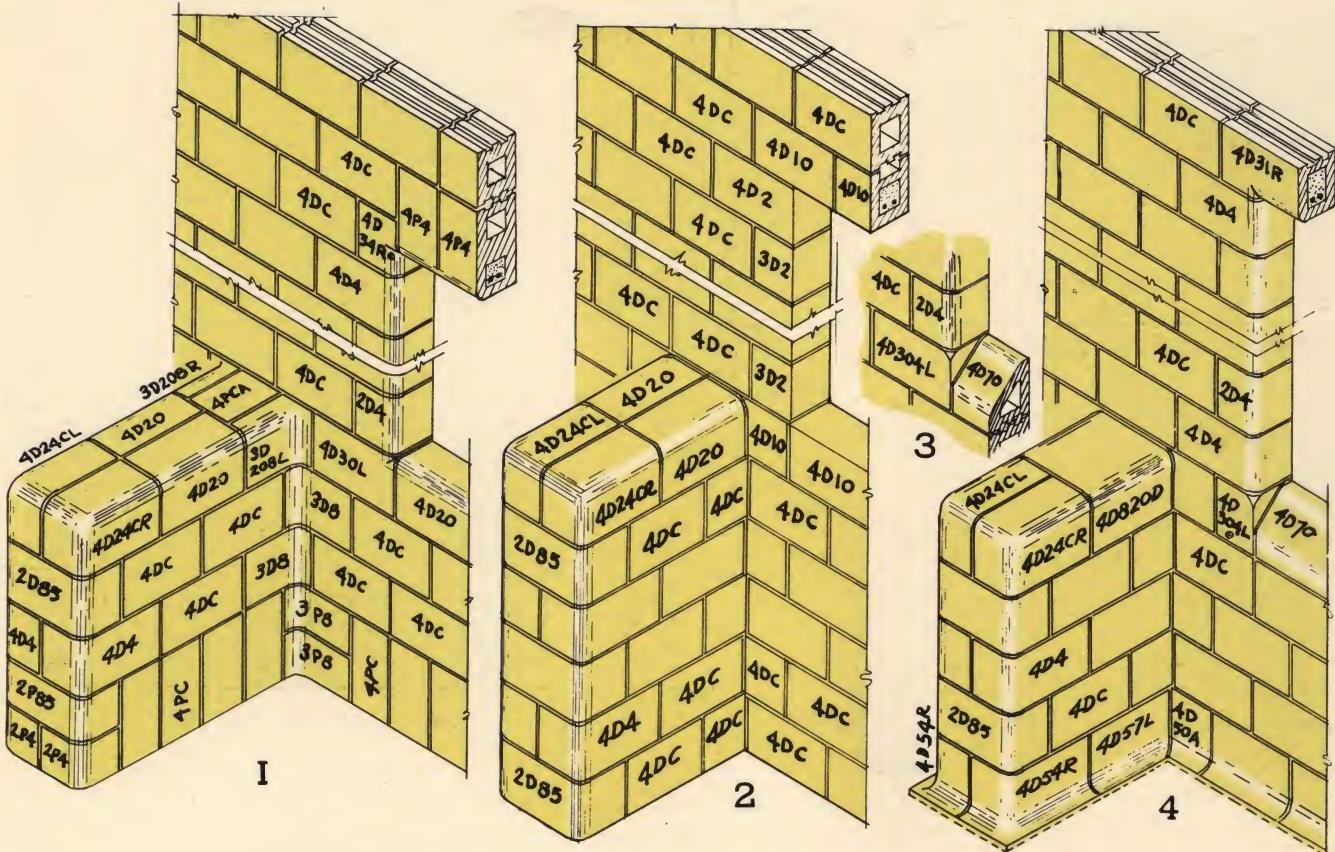


5W950

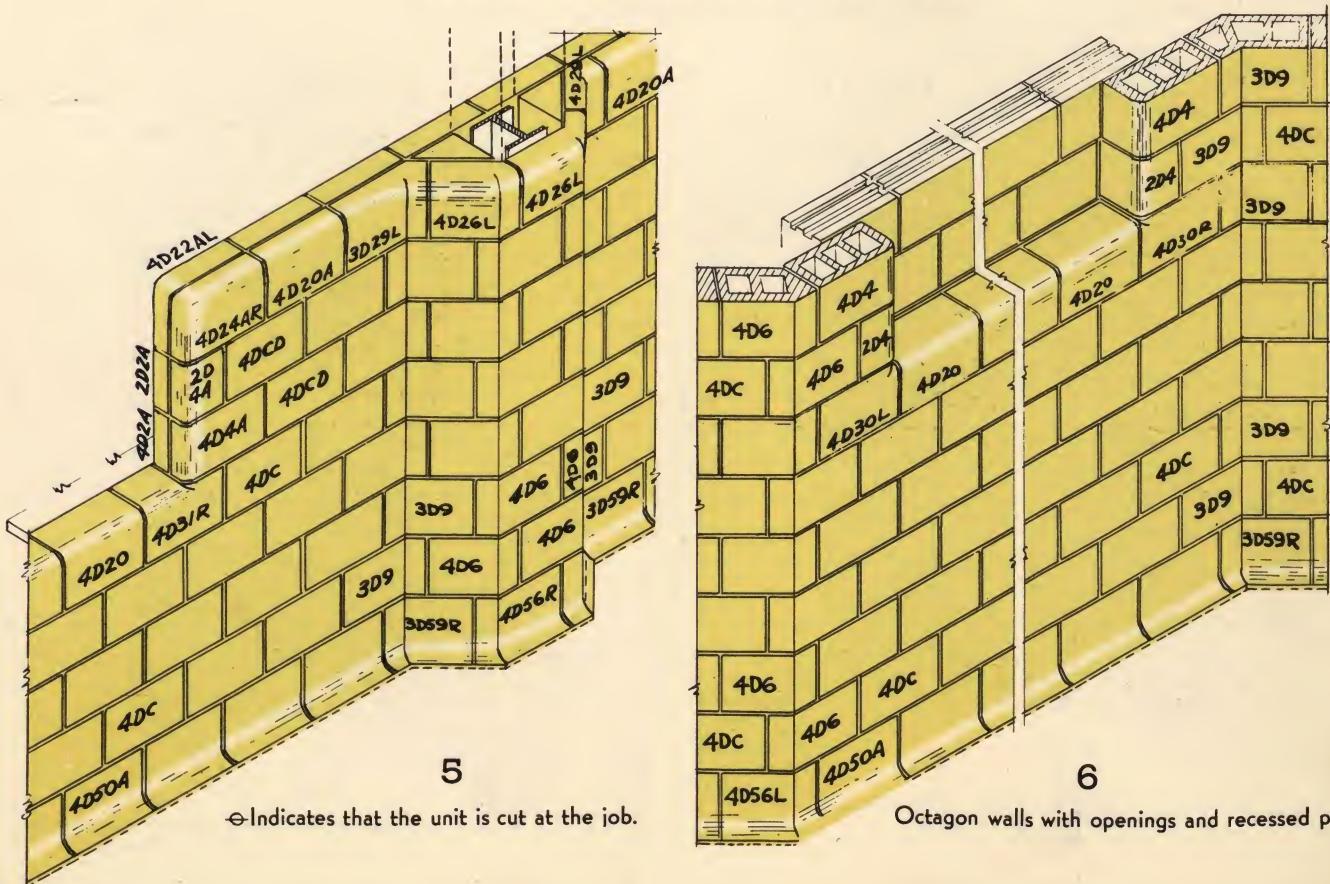


8W951L

# Construction Details—(4 DC Series)



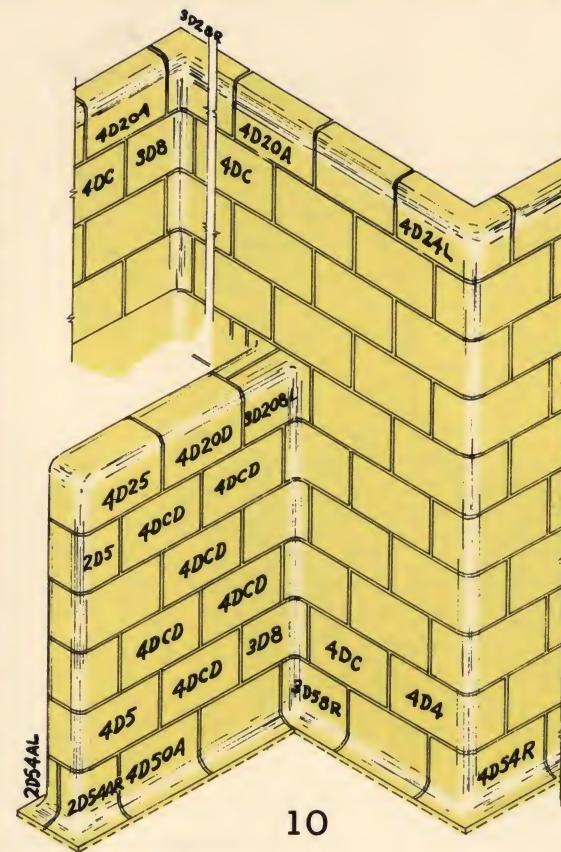
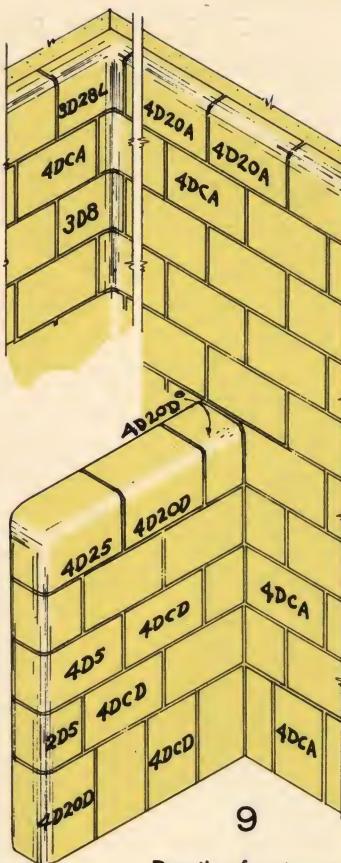
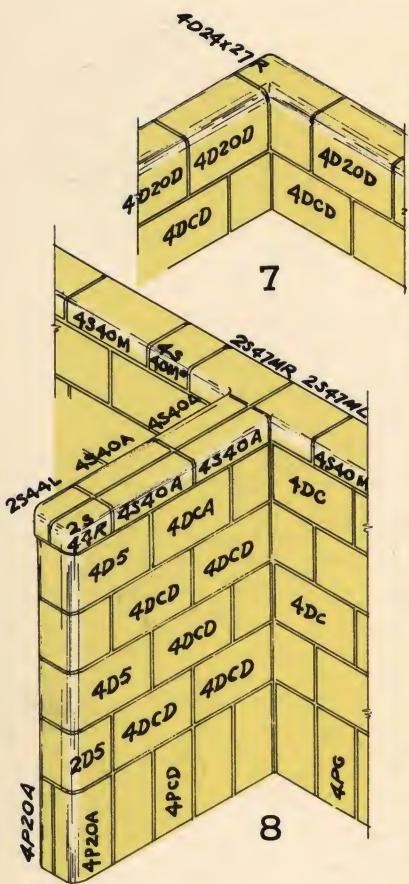
Eight inch partitions with bullnose external corners and copings; coved and square internal corners; also window sills and jambs.



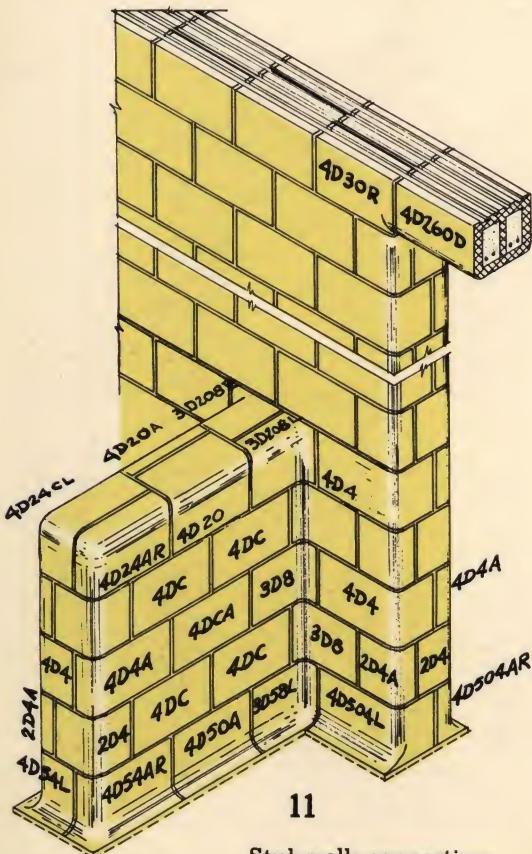
⊖ Indicates that the unit is cut at the job.

Octagon walls with openings and recessed panels.

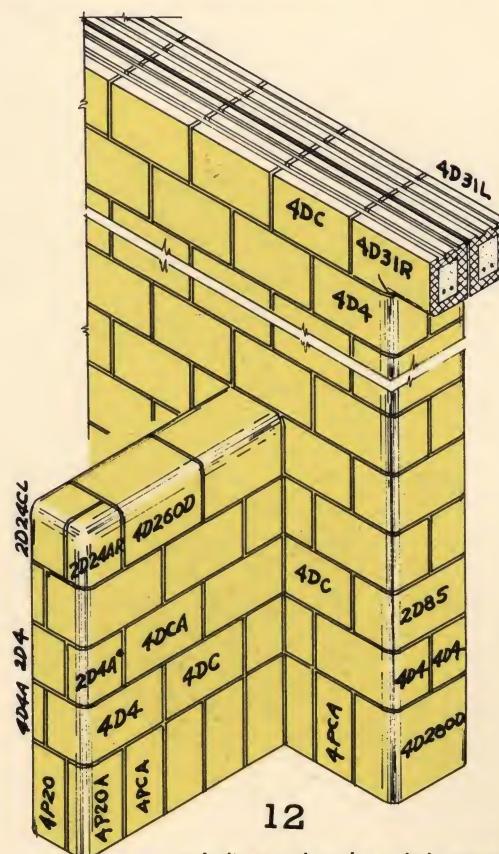
## Construction Details—(4 DC Series)



## Details of various treatments at base and coping of four inch partitions as well as cap and corners of walls.

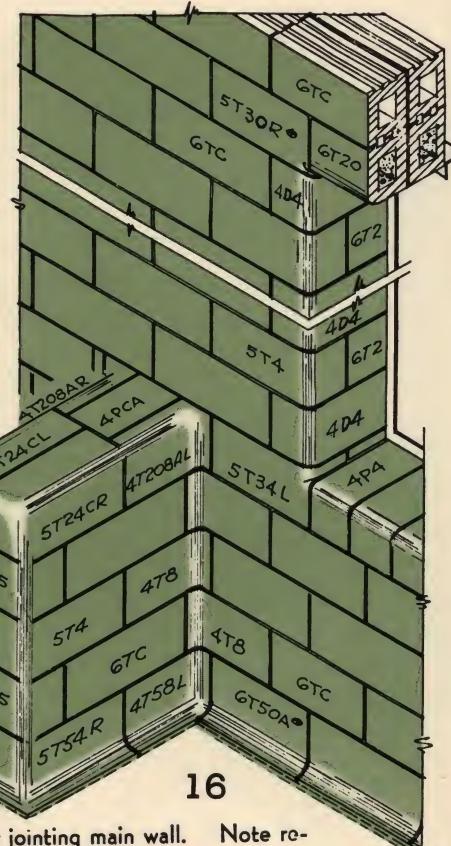
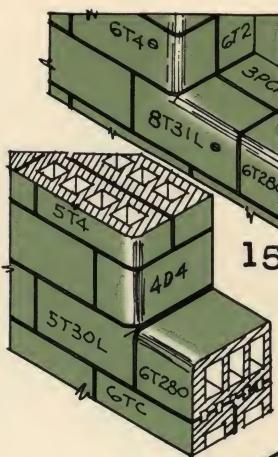
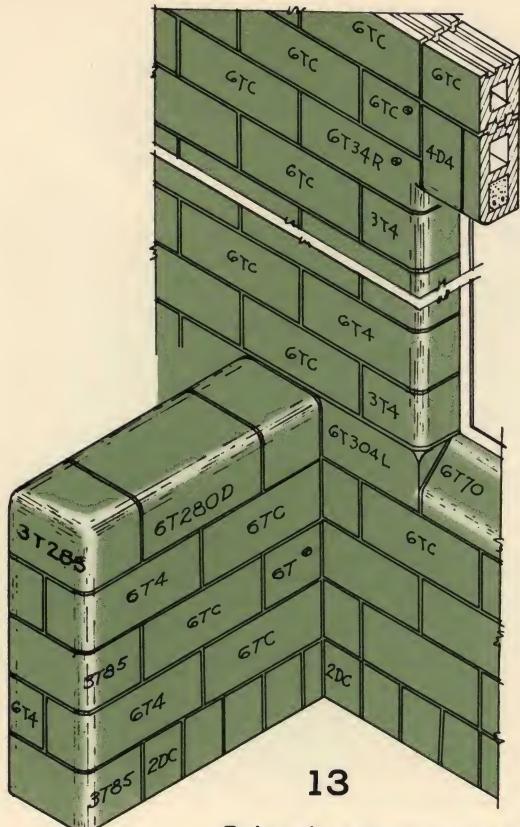


Stub walls connecting to 6" and 8" walls.

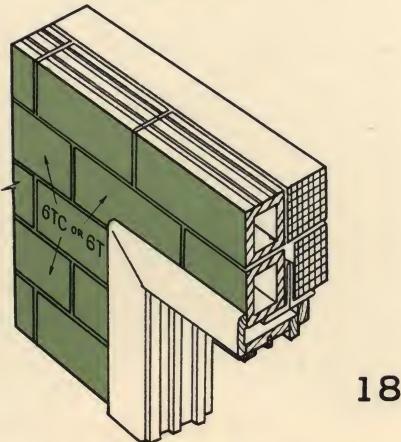
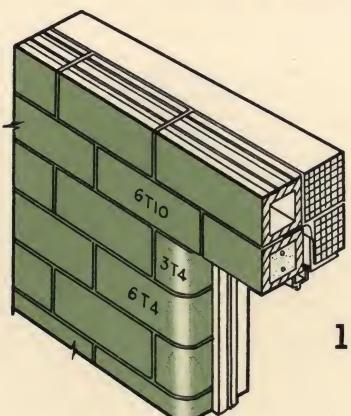


⊖ Indicates that the unit is cut at the job.

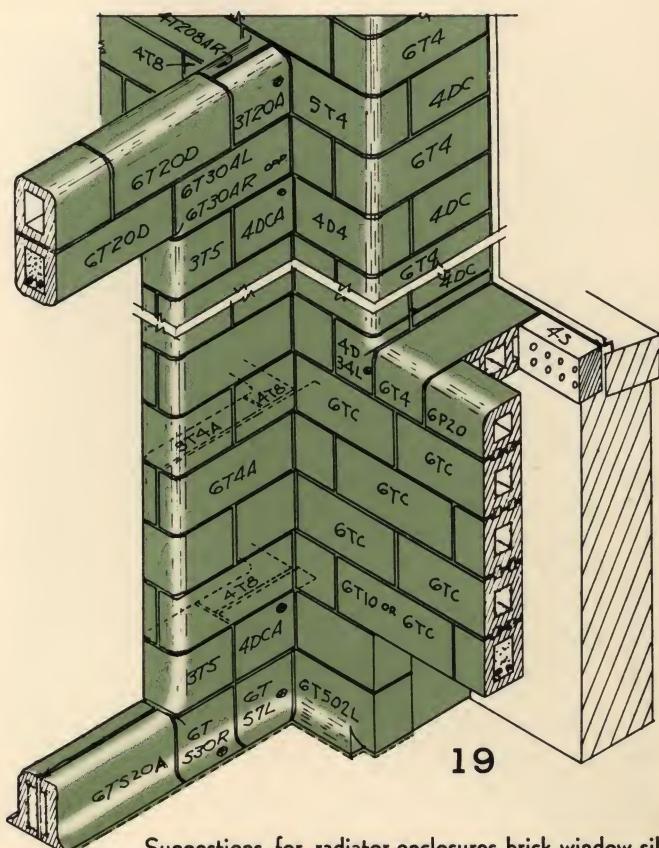
## Construction Details—(6 TC Series)



Eight inch partitions with alternate suggestions for base course or jointing main wall. Note reinforced lintels and three types of window sills. Exact window heights are effected by cutting miter unit T34, as shown. Sketch at right shows lintel units cut to meet coursing.



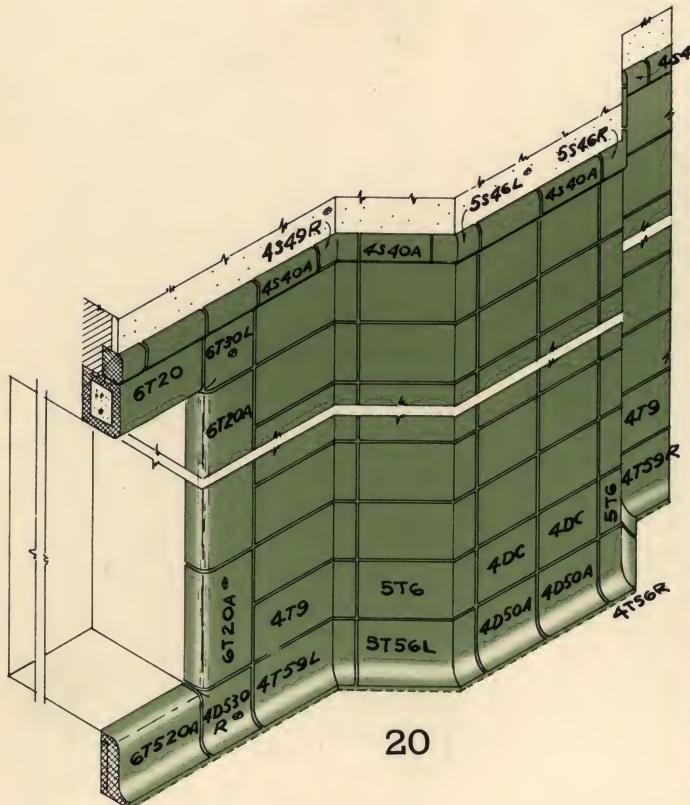
### Steel angle lintel construction.



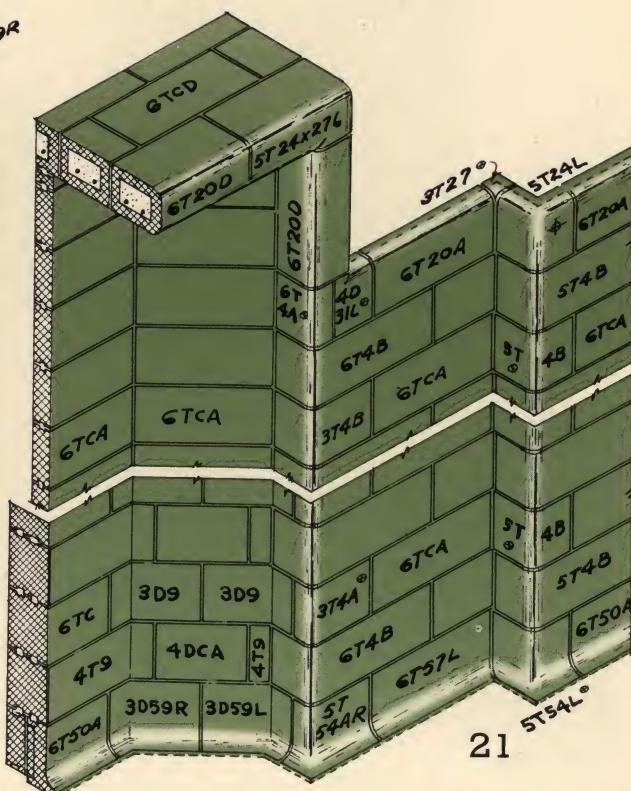
Suggestions for radiator enclosures brick window sill; sketch at left shows typical entrance to shower stall.

⊖ Indicates that the unit is cut at the job.

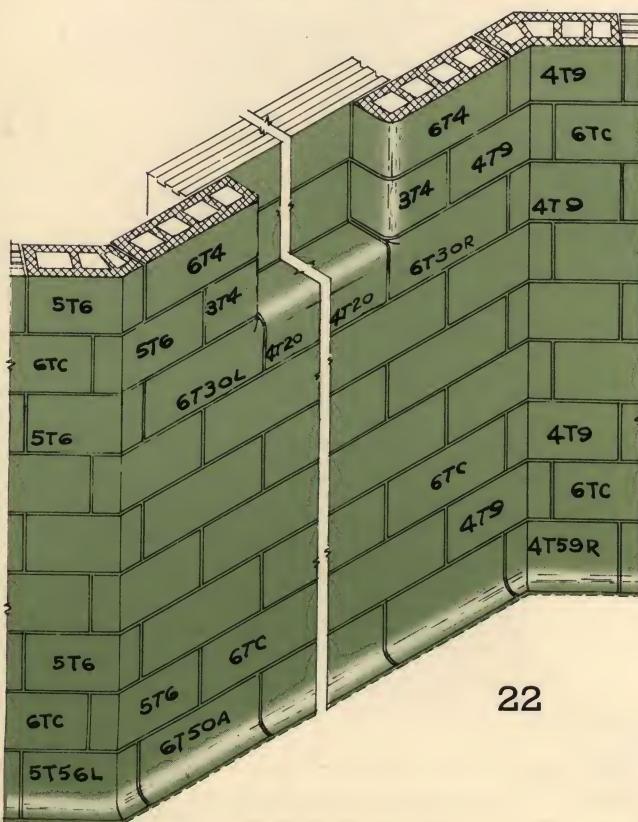
## Construction Details—(6 TC Series)



Suggested locker or cabinet recess with octagon protection around a column, pier, plaster or other similar projections in a public corridor.

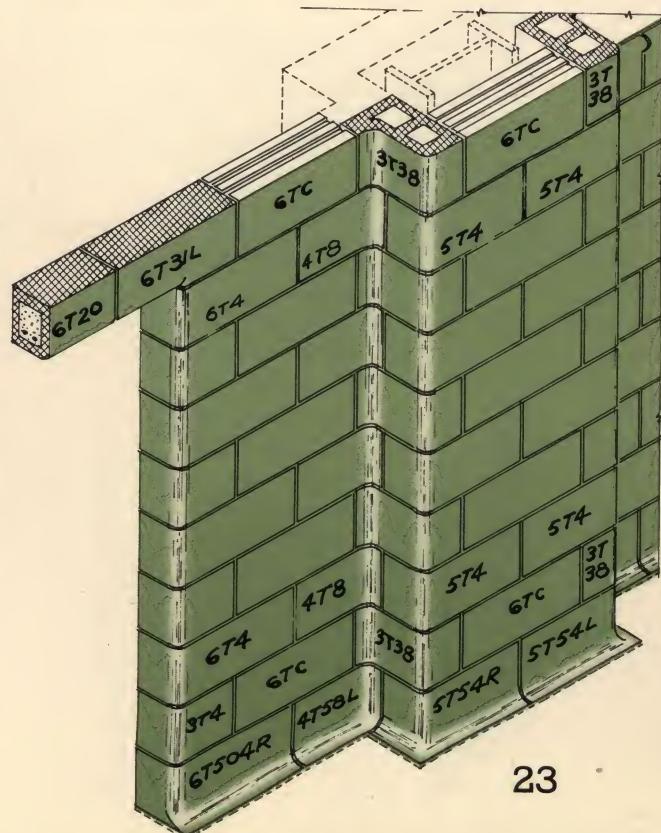


Illustrating the use of octagons to provide an alcove for drinking fountains, statues, etc.; also a typical right angle off-set around a pilaster or column projection. Note reinforced lintel.



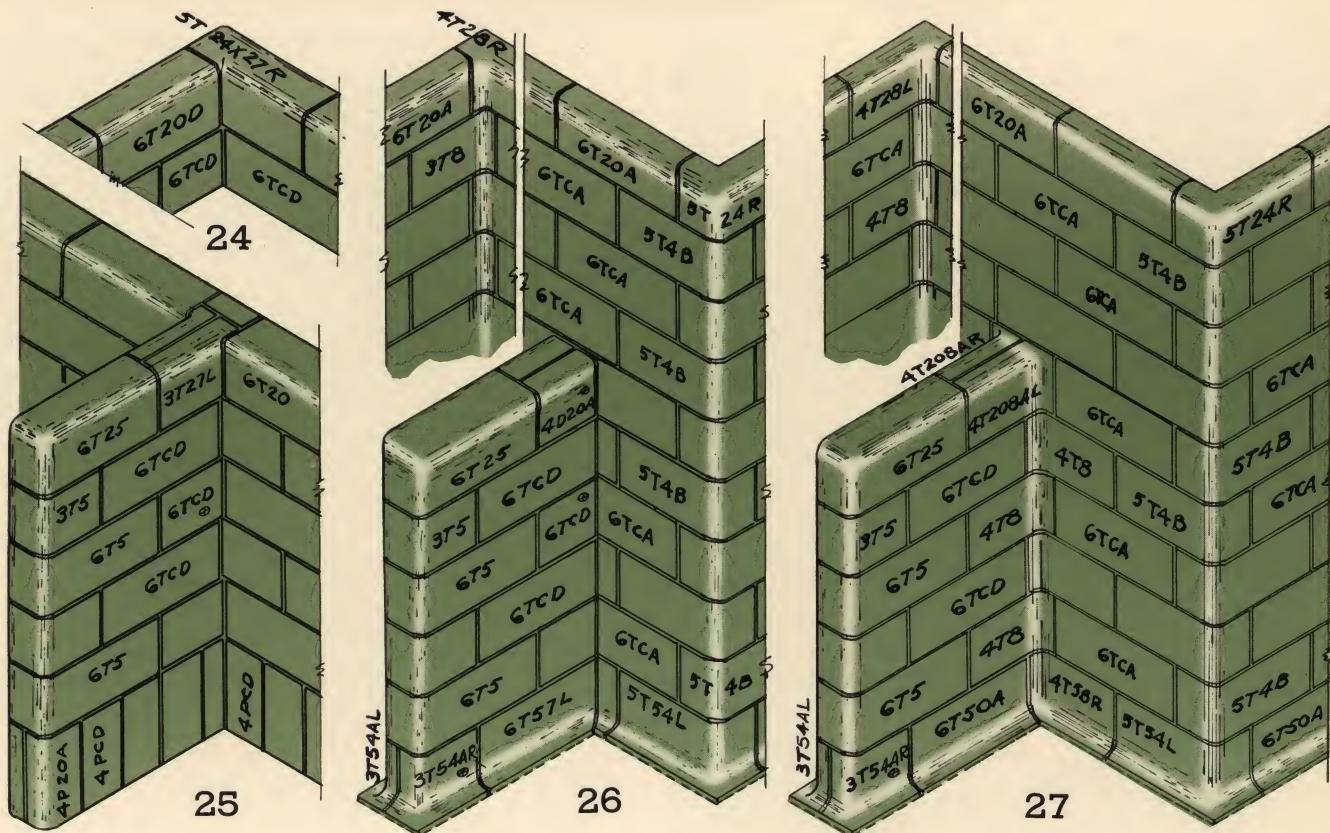
Octagon in wall with suggestion for a recessed panel.

⊖ Indicates that the unit is cut at the job.

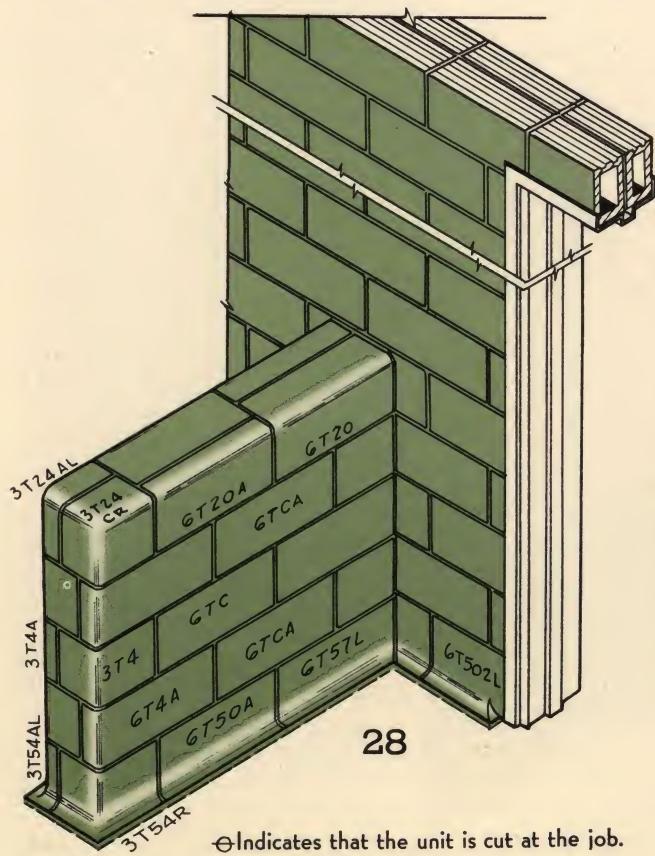


Typical doorless opening with reinforced lintel and suggested treatment for off-set around pilaster or projecting column.

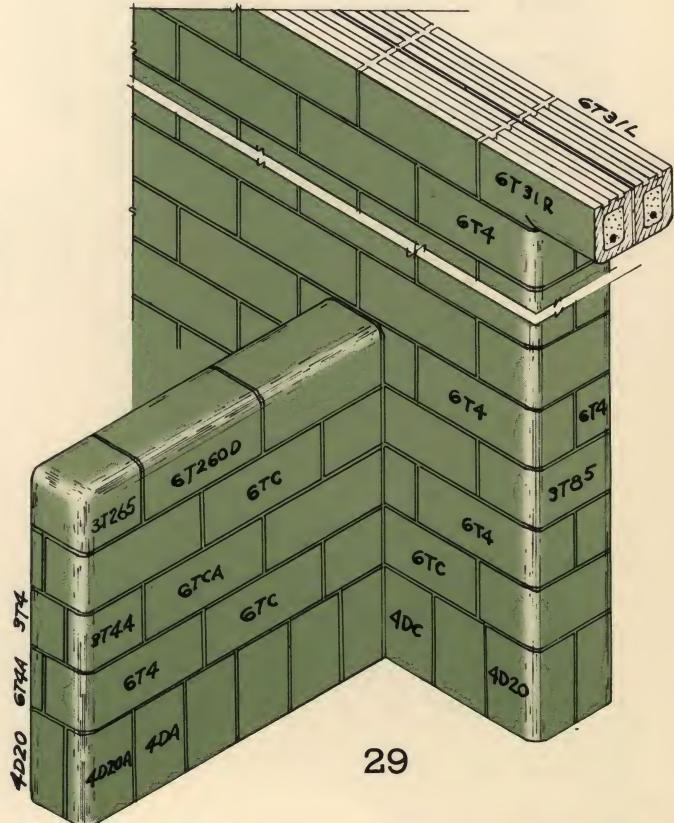
## Construction Details—(6 TC Series)



Four inch partitions with rounded edges and coping walls with rounded edges and caps. Internal wall corners shown coved and with square bond partitions jointed to main wall by three typical methods: Square bond, butt jointing and coved bond.

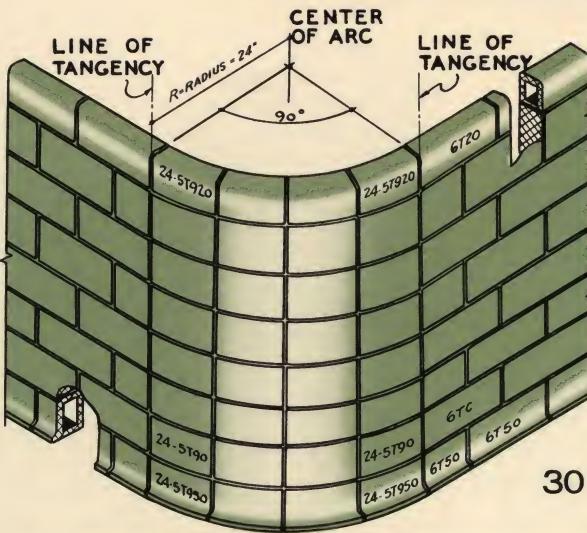


⊖ Indicates that the unit is cut at the job.



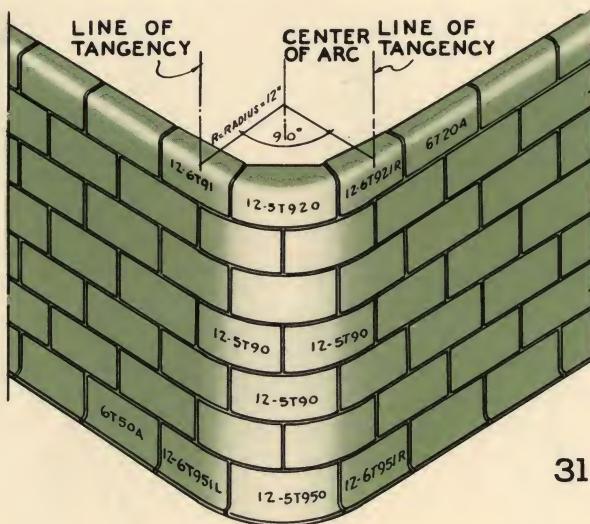
Six inch partitions with alternate suggestions for base and coping. Partitions are indicated as bonded to main wall with typical butt joints. The butt jointing method is used when the partition is built after the main wall has been coved or when there is some doubt regarding the permanent location of the partition. Note the reinforced lintels.

## Construction Details—(6 TC Series)



30

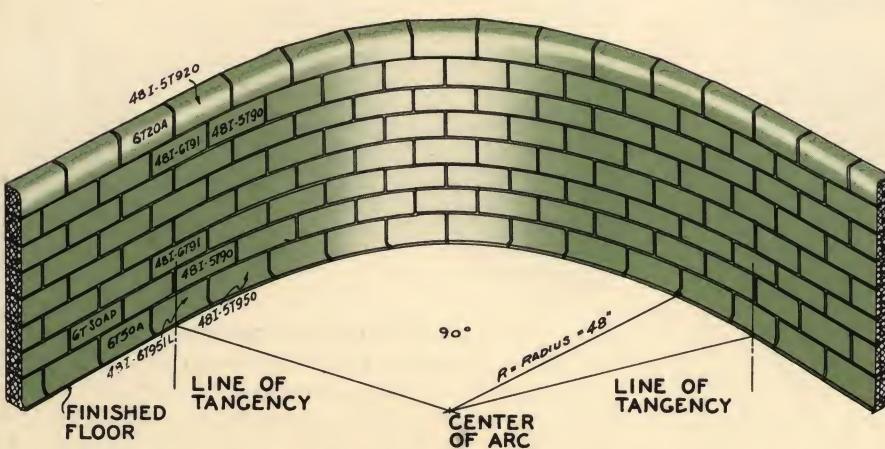
**24" External Radial Corner** with block bond construction in curved portion as shown. No special starter units are required.



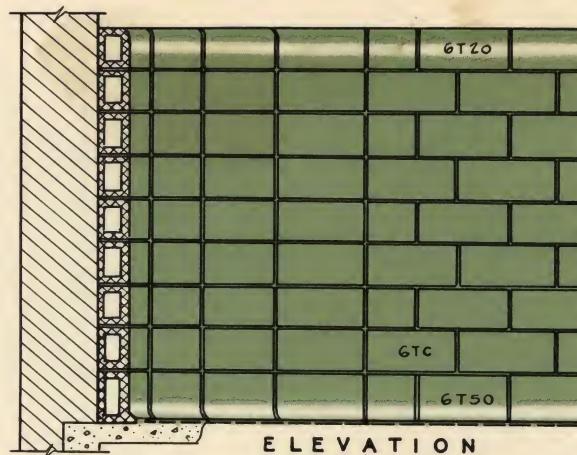
31

**12" External Radial Corner** with running bond construction in curved portion. Special starter units required in field, cap and base courses. (Units 6T91, 6T921R&L, and possibly 6T951R&L, depending upon joint positions of starting course.)

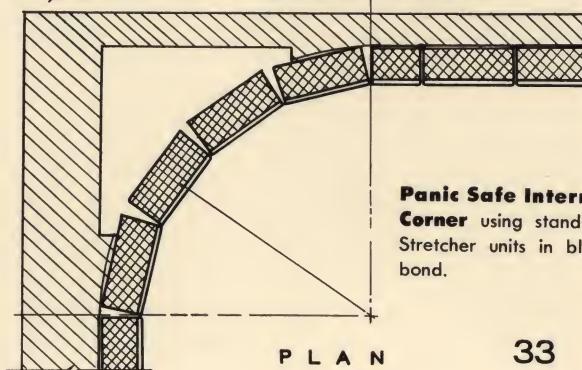
32



**48" Internal Radial Corner** with running bond construction on curved portion



## ELEVATION



33

TABLE I

Number of units in a quarter circle	Radius of Quarter Circle containing exact number of units listed in left column, when horizontal dimension is:			
	3 3/4 "	5 1/6 "	7 3/4 "	11 1/4 "
<b>3/8" Vertical Joints*</b>				
5	(1'- 0 3/4")	(1'- 5 ")	(2'- 1 1/2")	(3'- 2 1/4")
	1'- 1 1/8"	1'- 5 3/8"	2'- 1 1/8"	3'- 2 3/8"
6	(1'- 3 1/4")	(1'- 8 3/8")	(2'- 6 5/8")	(3'- 9 7/8")
	1'- 3 3/4"	1'- 8 3/4"	2'- 7 1/8"	3'- 10 1/8"
7	(1'- 5 5/8")	(1'- 11 3/8")	(2'- 11 1/8")	(4'- 5 5/8")
	1'- 6 3/8"	2'- 0 1/8"	3'- 0 1/8"	4'- 6 1/8"
8	(1'- 8 3/8")	(2'- 3 1/8")	(3'- 4 3/8")	(5'- 1 1/8")
	1'- 9 "	2'- 3 3/8"	3'- 5 3/8"	5'- 1 3/8"
<b>1/4" Vertical Joints</b>				
9	1'-11 "	2'- 6 1/2 "	3'- 9 7/8 "	5'- 8 3/4 "
10	2'- 1 1/2 "	2'- 9 7/8 "	4'- 3 "	6'- 4 3/8 "
11	2'- 4 "	3'- 1 1/4 "	4'- 8 "	7'- 0 "
12	2'- 6 3/8 "	3'- 4 3/8 "	5'- 1 1/8 "	7'- 7 3/8 "
13	2'- 9 1/8 "	3'- 8 "	5'- 6 1/4 "	8'- 3 1/4 "
14	2'-11 1/8 "	3'-11 1/8 "	5'-11 1/4 "	8'-11 "
15	3'-2 1/4 "	4'- 2 3/4 "	6'- 4 3/8 "	9'- 6 3/8 "

\*Required to provide joint space for tip of cove base projection. Where cove base is omitted,  $\frac{1}{4}$ " vertical mortar joints may be used with shorter radii—shown in parenthesis.

## NOTES

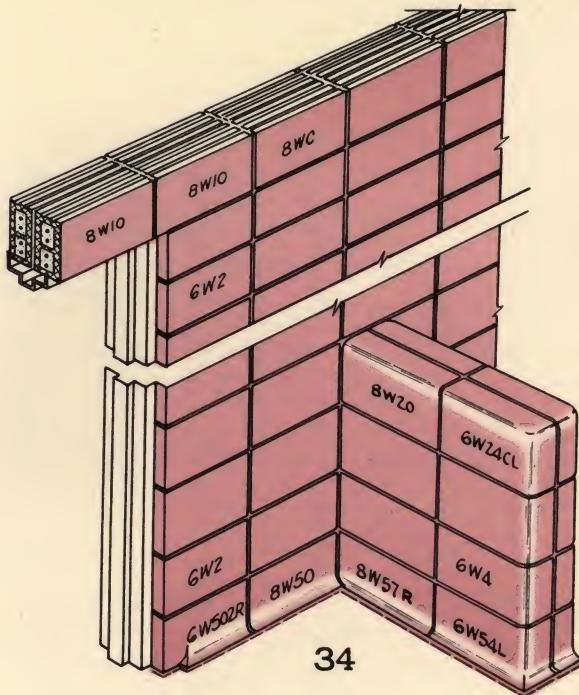
## **RADIAL CORNERS USING RADIAL SHAPES**

As illustrated in details 30, 31 and 32, standard external radial shapes are available for 12" and 24" radii. Standard internal radial shapes are available for 48" radius only. In ordering, prefix radius in inches to shape number. For example, "24-5790" would be a field stretcher for a 24" external radius. Internal radial units are indicated by prefixing the letter "I" to the corresponding external shape number. For example, "481-5790" would be a field stretcher for an internal radial corner.

## **RADIAL CORNERS USING STANDARD STRETCHERS**

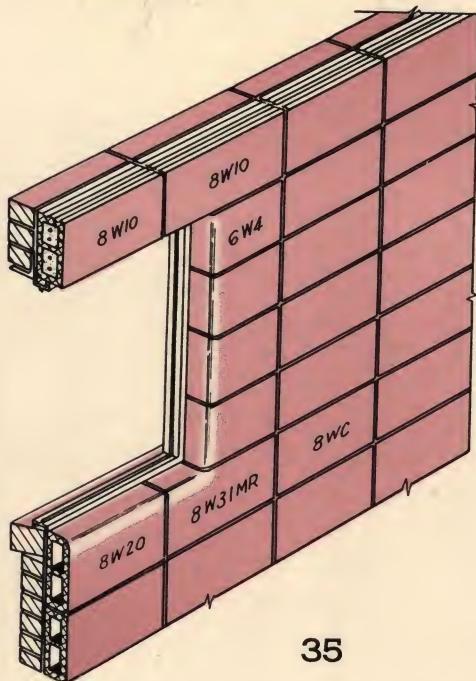
Standard stretcher units in block or stack bond construction will provide various concave panic-safe corners as illustrated in Detail 33 and with radii listed in Table 1. Typical center running bond construction with the "61" series stretchers is shown in the straight wall sections and the same units laid in block bond are used in the curved wall.

# Construction Details (8W Series)



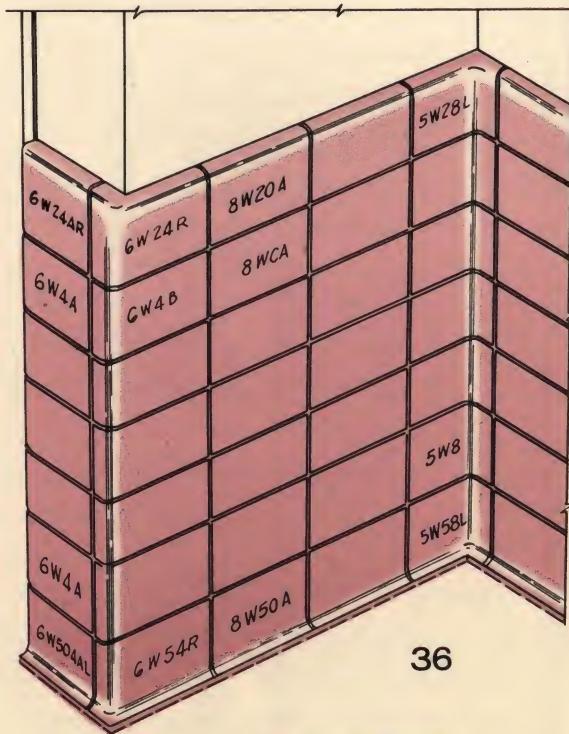
34

**Eight-inch Partition**  
with suggested door treatment.  
Note reinforced lintel.



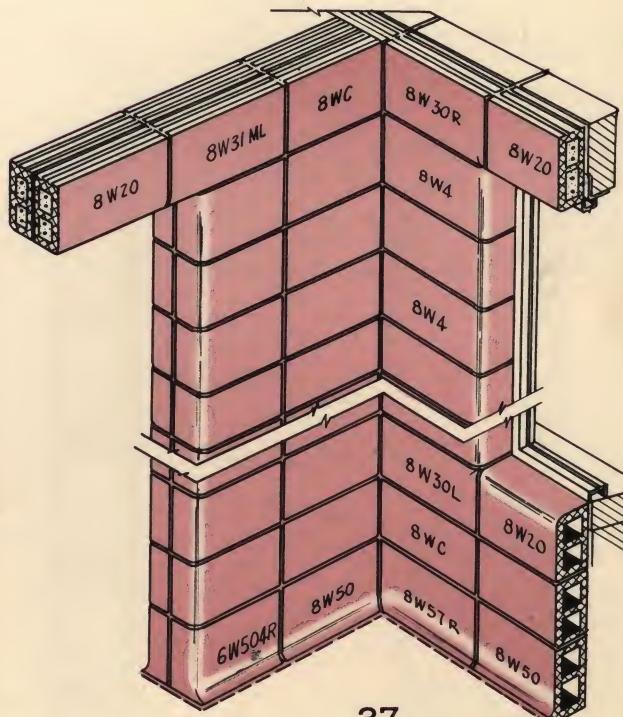
35

**Suggested Window Treatment**  
with reinforced lintel.



36

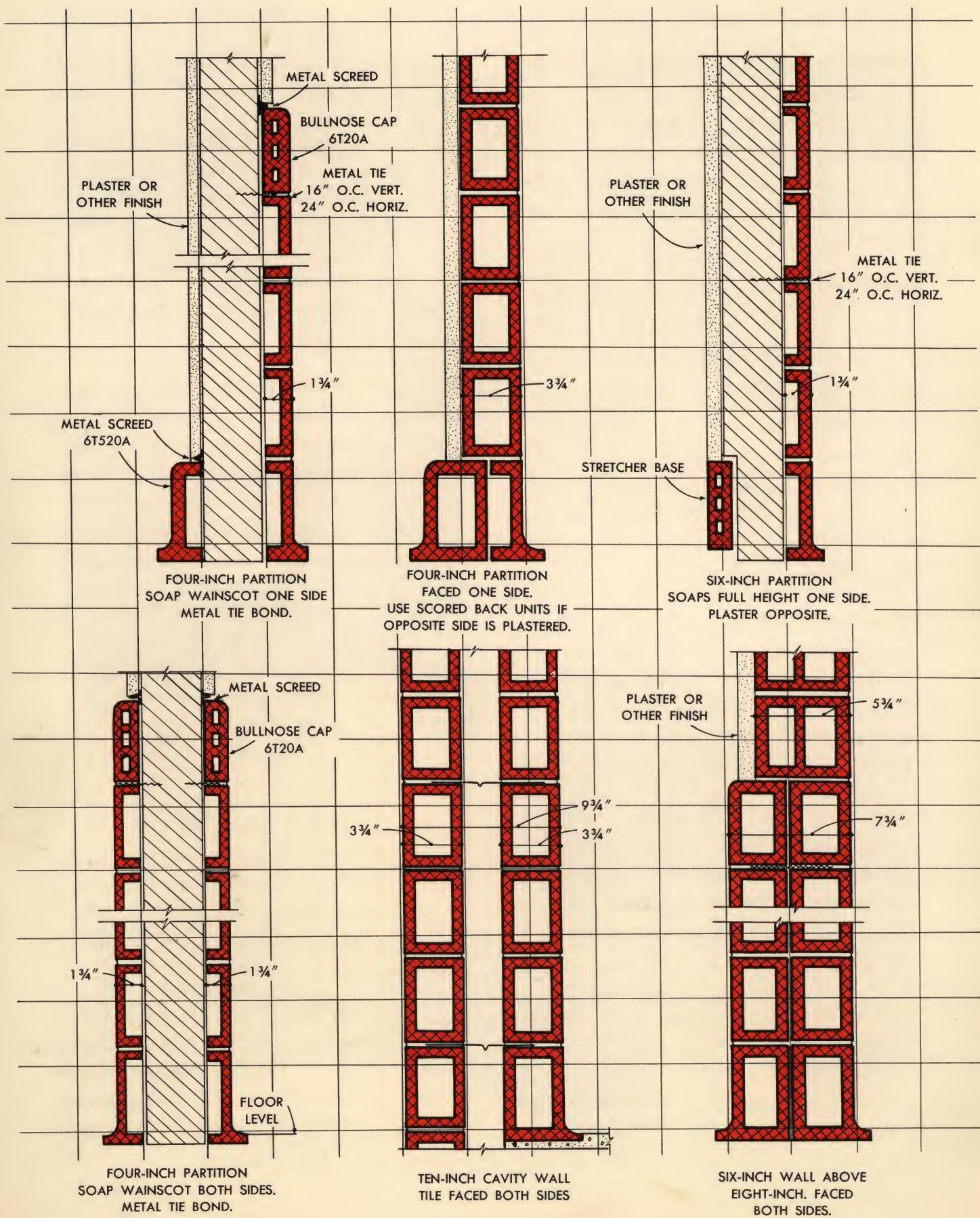
**Wainscot Detail**  
with internal cove corners.



37

**Typical Doorless Opening**  
with reinforced lintel and suggested  
window treatment.

# Typical Wall Sections



# Technical Information and Data

**STRENGTH**—Arketex Ceramic Glazed Structural Tile is manufactured from a blend of the world's finest fire clays, found in local deposits. It is a load-bearing structural unit capable of withstanding as much as 2,000 lbs. per sq. inch. Arketex Tile has a finished face—free of laminations. It is as straight and true as careful manufacture can make it.

**ABSORPTION**—Due to the high temperature at which Arketex Tile is fired, the body has a low absorption of about 4%.

**FIRE RESISTANCE**—In the process of manufacture, Arketex Tile is burned to 2050° F and becomes highly fire-resistant. The fire resistance ratings of structural clay tile have been established by Standard Fire Tests conducted by the National Bureau of Standards. The results are summarized in their bulletin BMS92.

**THERMAL CONDUCTIVITY**—Arketex Tile has hollow dead air space that makes it a good insulating unit. The low percentage of absorption also prevents this tile from holding much moisture, which would further add to its insulating value. Walls built with Arketex units have a satisfactory U value.

**THERMAL EXPANSION**—The thermal expansion of Arketex Tile is very small.  $3.4 \times 10^{-6}$  per degree F, by actual test. Thermal expansion is a factor to be reckoned with in a wall design because a material with a marked thermal expansion will disrupt a wall under temperature changes.

**CRAZE RESISTANCE**—To prevent crazing, the thermal expansion of the glaze and body must be almost identical. The body must have low absorption. In our manufacturing process, the body and the glaze are matured at the same time. The glaze is permanently fused to the body. All lots of ware are regu-

larly checked for crazing by the autoclave test set forth in the ASTM specifications.

**OPACITY**—The opacity of a glaze means its ability not to show discoloration in the body through the glaze. Along with the other test set forth in our specifications, we conduct an opacity test to determine if ink placed along the broken edge of the tile can be seen through the face of the glaze. The low absorption factor of Arketex Tile is quite an advantage in this test.

**CHEMICAL RESISTANCE**—The glazed face of Arketex Tile is subjected to the regular chemical resistance tests set forth in the ASTM specification. Tests consist of subjecting a piece of tile to a solution of hydrochloric acid, and also to sodium hydroxide, for three hours at room temperature. All our glazes withstand this test without any sign of deterioration.

**IMPERVIOUSNESS**—The well-matured glaze on Arketex Tile forms a gloss surface that is absolutely impervious. The Arketex test for imperviousness consists of saturating a glazed surface with blue-black ink, allowing the ink to dry, then washing the surface. All ink must wash-off if the glaze is to pass this test.

**COLORS**—The colors of Arketex Tile are produced with Metallic oxides that have been fused into the glazed surface covering the tile. Since these colors are matured at more than 2000° F, they will not fade, and are always the same color after years of continuous service.

The above design features give the designer a wide range of reasons for specifying Arketex Ceramic Glazed Structural Tile. There are many features that cannot be had from any other unit. Arketex Ceramic Glazed Structural Tile is a structural unit with a permanent finished face.

# Specifications and Grading Rules for Ceramic Glazed Structural Facing Tile

**SCOPE**—This specification covers Select Quality Ceramic and/or Clear Glazed Structural Facing Tile for use in this operation or project.

**SIZES AND SHAPES**—The face sizes of the units shall be as called for in these specifications or shown on the plans and/or as shown in Arketex Ceramic Corporation Catalog S-58.

**QUALITY**—The body of all tile units shall be made of clear burning plastic de-aired fire clays burned as straight and true as careful manufacture and modern methods can produce. The finished faces of all units that are exposed when in place shall be fully covered with an opaque ceramic glaze compounded of metallic oxides, chemicals and clays thoroughly ground together and sprayed upon the formed units. The units shall then be burned at high temperatures, fusing the glaze and body together, making them inseparable. They shall conform to the grading rules below and to A.S.T.M. designation C126-55T.

**CORING**—All units except shapes for vertical corners, jambs, etc., are to be made with horizontal coring in accordance with A.S.T.M. designation C126-55T or as shown in Arketex Ceramic Corporation Catalog S-58.

**COLOR AND TEXTURE**—The general texture, color, and finish of the finished surface shall conform to the approved samples consisting of not less than three stretcher units fully representing the range of color and texture.

**TEST OF FINISH**—All units shall pass the standard test of the A.S.T.M. designation C126-55T for imperviousness, chemical resistance of finish, resistance to crazing, and opacity.

**COMPRESSIVE STRENGTH**—The compressive strength of units in pounds per square inch based upon the gross area shall be not less than the amount shown in Table 1.

TABLE 1—COMPRESSIVE STRENGTH

Direction of Coring	Minimum Average of Five Tests, psi.	Individual Minimum psi.
Vertical.....	3,000	2,500
Horizontal.....	2,000	1,500

**DEPTH OF BED JOINT**—The total variation in bed depth (through the wall) dimensions of units shall be not more than the amount shown in Table IV, A.S.T.M. designation C126-55T.

**DISTORTION TOLERANCES**—The maximum permissible distortion of the plane and the edges of the face of individual units from a plane surface and from a straight line, respectively, shall not exceed the value shown in Table 2.

TABLE 2—PERMISSIBLE DISTORTION

Specified Face Dimensions (Height and Length), in.	Grade	Maximum Permissible Distortion, in.
2 $\frac{1}{8}$ x 7 $\frac{3}{4}$ .....	Select	$\frac{3}{32}$
5 $\frac{1}{16}$ x 7 $\frac{3}{4}$ .....	Select	$\frac{3}{32}$
5 $\frac{1}{16}$ x 11 $\frac{1}{4}$ .....	Select	$\frac{3}{32}$
3 $\frac{3}{4}$ x 11 $\frac{1}{4}$ .....	Select	$\frac{3}{32}$
7 $\frac{1}{4}$ x 11 $\frac{1}{4}$ .....	Sized	$\frac{3}{32}$
7 $\frac{1}{4}$ x 15 $\frac{1}{4}$ .....	Sized	$\frac{3}{32}$

**FACE DIMENSION TOLERANCES**—The total variation in the finished face dimensions of the units shall be not more than the amount shown in Table 3.

TABLE 3—PERMISSIBLE VARIATION IN FACE DIMENSIONS

Specified Face Dimension, Return or Reveal, (Height, Length), in.	Maximum Difference Between Dimension of Any Unit and the Specified Dimension		Maximum Difference Between Largest and Smallest Unit in One Lot*, in.
	If Larger, in.	If Smaller, in.	
<b>SELECT UNITS</b>			
2 $\frac{3}{8}$ .....	$\frac{1}{16}$	$\frac{3}{32}$	$\frac{3}{32}$
3 $\frac{3}{4}$ .....	$\frac{1}{16}$	$\frac{3}{32}$	$\frac{3}{32}$
5 $\frac{1}{16}$ .....	$\frac{1}{16}$	$\frac{3}{32}$	$\frac{3}{32}$
7 $\frac{1}{4}$ .....	$\frac{1}{16}$	$\frac{5}{32}$	$\frac{6}{32}$
11 $\frac{1}{4}$ .....	$\frac{1}{16}$	$\frac{7}{32}$	$\frac{8}{32}$
<b>SIZED UNITS ONLY</b>			
7 $\frac{1}{4}$ .....	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{3}{32}$
15 $\frac{1}{4}$ .....	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{3}{32}$

\*Size of lot shall be determined by agreement between the purchaser and the seller.

**FINISHES**—The glazed face shall be free from chips, crazing, blisters, crawling, or other imperfections detracting from the appearance of the finished wall when viewed from a distance of five feet at right angles from the wall.

**GUARANTEE**—We guarantee that all material manufactured by us will conform to the quality, tolerances and grading rules as shown on this page and will also conform to the specifications and grading rules of the American Society for Testing Materials Designation C126-55T.

If it can be established within one year that any of our material does not conform to these standards, we will replace the defective units without charge at the factory, but no labor or other expense will be allowed. In no case will replacement of off grade material be made after installation.

We do not authorize any other persons to assume liability in connection with the sale of our material.

*For complete information, contact your local ARKETEX distributor.*

what makes  
**Arketex**  
CERAMIC GLAZED STRUCTURAL TILE  
so good?

*there are 4 basic reasons:*

- 1** Our plants are located in the very heart of the world's finest clay deposits. We use this finest of clay exclusively. It is quickly and always available.
- 2** The methods used by our skilled artisans are the result of more than thirty years of research and development.
- 3** Our facilities are completely modern. They are designed to give us, and you, the top-quality products which we demand . . . And they *do*. Thirteen continuous kilns operate 24 hours each day. We have capacity.
- 4** Finally, an outstanding group of distributors is at your service, with ceramic glazed structural tile that meet your every requirement.

*We make just one product—  
no wonder it's so good!*



PLANT 2



PLANT 3



PLANT 4

**ARKETEX CERAMIC CORPORATION • BRAZIL, INDIANA**

# Vertical Coursing Tables For Units Shown In This Catalog

COURSE NUMBER	2 $\frac{3}{8}$ "	COURSE NUMBER	2 $\frac{3}{8}$ "	COURSE NUMBER	3 $\frac{3}{4}$ "	COURSE NUMBER	5 $\frac{1}{16}$ "	COURSE NUMBER	7 $\frac{3}{4}$ "
1	2 $\frac{1}{2}$	65	14- 5 $\frac{1}{3}$	1	4	1	5 $\frac{1}{3}$	1	8
2	5 $\frac{1}{3}$	66	14- 8	2	8	2	10 $\frac{1}{3}$	2	1- 4
3	8	67	14-10 $\frac{1}{3}$	3	1- 0	3	1- 4	3	2- 0
4	10 $\frac{1}{3}$	68	15- 1 $\frac{1}{3}$	4	1- 4	4	1- 9 $\frac{1}{3}$	4	2- 8
5	1- 1 $\frac{1}{3}$	69	15- 4	5	1- 8	5	2- 2 $\frac{1}{3}$	5	3- 4
6	1- 4	70	15- 6 $\frac{1}{3}$	6	2- 0	6	2- 8	6	4- 0
7	1- 6 $\frac{1}{3}$	71	15- 9 $\frac{1}{3}$	7	2- 4	7	3- 1 $\frac{1}{3}$	7	4- 8
8	1- 9 $\frac{1}{3}$	72	16- 0	8	2- 8	8	3- 6 $\frac{1}{3}$	8	5- 4
9	2- 0	73	16- 2 $\frac{1}{3}$	9	3- 0	9	4- 0	9	6- 0
10	2- 2 $\frac{1}{3}$	74	16- 5 $\frac{1}{3}$	10	3- 4	10	4- 5 $\frac{1}{3}$	10	6- 8
11	2- 5 $\frac{1}{3}$	75	16- 8	11	3- 8	11	4-10 $\frac{1}{3}$	11	7- 4
12	2- 8	76	16-10 $\frac{1}{3}$	12	4- 0	12	5- 4	12	8- 0
13	2-10 $\frac{1}{3}$	77	17- 1 $\frac{1}{3}$	13	4- 4	13	5- 9 $\frac{1}{3}$	13	8- 8
14	3- 1 $\frac{1}{3}$	78	17- 4	14	4- 8	14	6- 2 $\frac{1}{3}$	14	9- 4
15	3- 4	79	17- 6 $\frac{1}{3}$	15	5- 0	15	6- 8	15	10- 0
16	3- 6 $\frac{1}{3}$	80	17- 9 $\frac{1}{3}$	16	5- 4	16	7- 1 $\frac{1}{3}$	16	10- 8
17	3- 9 $\frac{1}{3}$	81	18- 0	17	5- 8	17	7- 6 $\frac{1}{3}$	17	11- 4
18	4- 0	82	18- 2 $\frac{1}{3}$	18	6- 0	18	8- 0	18	12- 0
19	4- 2 $\frac{1}{3}$	83	18- 5 $\frac{1}{3}$	19	6- 4	19	8- 5 $\frac{1}{3}$	19	12- 8
20	4- 5 $\frac{1}{3}$	84	18- 8	20	6- 8	20	8-10 $\frac{1}{3}$	20	13- 4
21	4- 8	85	18-10 $\frac{1}{3}$	21	7- 0	21	9- 4	21	14- 0
22	4-10 $\frac{1}{3}$	86	19- 1 $\frac{1}{3}$	22	7- 4	22	9- 9 $\frac{1}{3}$	22	14- 8
23	5- 1 $\frac{1}{3}$	87	19- 4	23	7- 8	23	10- 2 $\frac{1}{3}$	23	15- 4
24	5- 4	88	19- 6 $\frac{1}{3}$	24	8- 0	24	10- 8	24	16- 0
25	5- 6 $\frac{1}{3}$	89	19- 9 $\frac{1}{3}$	25	8- 4	25	11- 1 $\frac{1}{3}$	25	16- 8
26	5- 9 $\frac{1}{3}$	90	20- 0	26	8- 8	26	11- 6 $\frac{1}{3}$	26	17- 4
27	6- 0	91	20- 2 $\frac{1}{3}$	27	9- 0	27	12- 0	27	18- 0
28	6- 2 $\frac{1}{3}$	92	20- 5 $\frac{1}{3}$	28	9- 4	28	12- 5 $\frac{1}{3}$	28	18- 8
29	6- 5 $\frac{1}{3}$	93	20- 8	29	9- 8	29	12-10 $\frac{1}{3}$	29	19- 4
30	6- 8	94	20-10 $\frac{1}{3}$	30	10- 0	30	13- 4	30	20- 0
31	6-10 $\frac{1}{3}$	95	21- 1 $\frac{1}{3}$	31	10- 4	31	13- 9 $\frac{1}{3}$	31	20- 8
32	7- 1 $\frac{1}{3}$	96	21- 4	32	10- 8	32	14- 2 $\frac{1}{3}$	32	21- 4
33	7- 4	97	21- 6 $\frac{1}{3}$	33	11- 0	33	14- 8	33	22- 0
34	7- 6 $\frac{1}{3}$	98	21- 9 $\frac{1}{3}$	34	11- 4	34	15- 1 $\frac{1}{3}$	34	22- 8
35	7- 9 $\frac{1}{3}$	99	22- 0	35	11- 8	35	15- 6 $\frac{1}{3}$	35	23- 4
36	8- 0	100	22- 2 $\frac{1}{3}$	36	12- 0	36	16- 0	36	24- 0
37	8- 2 $\frac{1}{3}$	101	22- 5 $\frac{1}{3}$	37	12- 4	37	16- 5 $\frac{1}{3}$	37	24- 8
38	8- 5 $\frac{1}{3}$	102	22- 8	38	12- 8	38	16-10 $\frac{1}{3}$	38	25- 4
39	8- 8	103	22-10 $\frac{1}{3}$	39	13- 0	39	17- 4	39	26- 0
40	8-10 $\frac{1}{3}$	104	23- 1 $\frac{1}{3}$	40	13- 4	40	17- 9 $\frac{1}{3}$	40	26- 8
41	9- 1 $\frac{1}{3}$	105	23- 4	41	13- 8	41	18- 2 $\frac{1}{3}$	41	27- 4
42	9- 4	106	23- 6 $\frac{1}{3}$	42	14- 0	42	18- 8	42	28- 0
43	9- 6 $\frac{1}{3}$	107	23- 9 $\frac{1}{3}$	43	14- 4	43	19- 1 $\frac{1}{3}$	43	28- 8
44	9- 9 $\frac{1}{3}$	108	24- 0	44	14- 8	44	19- 6 $\frac{1}{3}$	44	29- 4
45	10- 0	109	24- 2 $\frac{1}{3}$	45	15- 0	45	20- 0	45	30- 0
46	10- 2 $\frac{1}{3}$	110	24- 5 $\frac{1}{3}$	46	15- 4	46	20- 5 $\frac{1}{3}$	46	30- 8
47	10- 5 $\frac{1}{3}$	111	24- 8	47	15- 8	47	20-10 $\frac{1}{3}$	47	31- 4
48	10- 8	112	24-10 $\frac{1}{3}$	48	16- 0	48	21- 4	48	32- 0
49	10-10 $\frac{1}{3}$	113	25- 1 $\frac{1}{3}$	49	16- 4	49	21- 9 $\frac{1}{3}$	49	32- 8
50	11- 1 $\frac{1}{3}$	114	25- 4	50	16- 8	50	22- 2 $\frac{1}{3}$	50	33- 4
51	11- 4	115	25- 6 $\frac{1}{3}$	51	17- 0	51	22- 8	51	34- 0
52	11- 6 $\frac{1}{3}$	116	25- 9 $\frac{1}{3}$	52	17- 4	52	23- 1 $\frac{1}{3}$	52	34- 8
53	11- 9 $\frac{1}{3}$	117	26- 0	53	17- 8	53	23- 6 $\frac{1}{3}$	53	35- 4
54	12- 0	118	26- 2 $\frac{1}{3}$	54	18- 0	54	24- 0	54	36- 0
55	12- 2 $\frac{1}{3}$	119	26- 5 $\frac{1}{3}$	55	18- 4	55	24- 5 $\frac{1}{3}$	55	36- 8
56	12- 5 $\frac{1}{3}$	120	26- 8	56	18- 8	56	24-10 $\frac{1}{3}$	56	37- 4
57	12- 8	121	26-10 $\frac{1}{3}$	57	19- 0	57	25- 4	57	38- 0
58	12-10 $\frac{1}{3}$	122	27- 1 $\frac{1}{3}$	58	19- 4	58	25- 9 $\frac{1}{3}$	58	38- 8
59	13- 1 $\frac{1}{3}$	123	27- 4	59	19- 8	59	26- 2 $\frac{1}{3}$	59	39- 4
60	13- 4	124	27- 6 $\frac{1}{3}$	60	20- 0	60	26- 8	60	40- 0
61	13- 6 $\frac{1}{3}$	125	27- 9 $\frac{1}{3}$	61	20- 4	61	27- 1 $\frac{1}{3}$	61	40- 8
62	13- 9 $\frac{1}{3}$	126	28- 0	62	20- 8	62	27- 6 $\frac{1}{3}$	62	41- 4
63	14- 0	127	28- 2 $\frac{1}{3}$	63	21- 0	63	28- 0	63	42- 0
64	14- 2 $\frac{1}{3}$	128	28- 5 $\frac{1}{3}$	64	21- 4	64	28- 5 $\frac{1}{3}$	64	42- 8

FROM  
**O. W. KETCHAM**  
 125 N. 18TH STREET  
 PHILADELPHIA 3, PA.

# Vertical Coursing Tables For Units Shown In This Catalog

COURSE NUMBER	2 $\frac{3}{8}$ "	COURSE NUMBER	2 $\frac{3}{8}$ "	COURSE NUMBER	3 $\frac{3}{4}$ "	COURSE NUMBER	5 $\frac{1}{16}$ "	COURSE NUMBER	7 $\frac{3}{4}$ "
1	2 $\frac{1}{2}$	65	14- 5 $\frac{1}{3}$	1	4	1	5 $\frac{1}{3}$	1	8
2	5 $\frac{1}{3}$	66	14- 8	2	8	2	10 $\frac{2}{3}$	2	1- 4
3	8	67	14-10 $\frac{1}{3}$	3	1- 0	3	1- 4	3	2- 0
4	10 $\frac{1}{3}$	68	15- 1 $\frac{1}{3}$	4	1- 4	4	1- 9 $\frac{1}{3}$	4	2- 8
5	1- 1 $\frac{1}{3}$	69	15- 4	5	1- 8	5	2- 2 $\frac{1}{3}$	5	3- 4
6	1- 4	70	15- 6 $\frac{1}{3}$	6	2- 0	6	2- 8	6	4- 0
7	1- 6 $\frac{1}{3}$	71	15- 9 $\frac{1}{3}$	7	2- 4	7	3- 1 $\frac{1}{3}$	7	4- 8
8	1- 9 $\frac{1}{3}$	72	16- 0	8	2- 8	8	3- 6 $\frac{1}{3}$	8	5- 4
9	2- 0	73	16- 2 $\frac{1}{3}$	9	3- 0	9	4- 0	9	6- 0
10	2- 2 $\frac{1}{3}$	74	16- 5 $\frac{1}{3}$	10	3- 4	10	4- 5 $\frac{1}{3}$	10	6- 8
11	2- 5 $\frac{1}{3}$	75	16- 8	11	3- 8	11	4-10 $\frac{1}{3}$	11	7- 4
12	2- 8	76	16-10 $\frac{1}{3}$	12	4- 0	12	5- 4	12	8- 0
13	2-10 $\frac{1}{3}$	77	17- 1 $\frac{1}{3}$	13	4- 4	13	5- 9 $\frac{1}{3}$	13	8- 8
14	3- 1 $\frac{1}{3}$				4- 0	14	6- 2 $\frac{1}{3}$	14	9- 4
15	3- 4							15	10- 0
16	3- 6 $\frac{1}{3}$							16	10- 8
17	3- 9 $\frac{1}{3}$							17	11- 4
18	4- 0							18	12- 0
19	4- 2 $\frac{1}{3}$							19	12- 8
20	4- 5 $\frac{1}{3}$							20	13- 4
21	4- 8							21	14- 0
22	4-10 $\frac{1}{3}$							22	14- 8
23	5- 1 $\frac{1}{3}$							23	15- 4
24	5- 4							24	16- 0
25	5- 6 $\frac{1}{3}$							25	16- 8
26	5- 9 $\frac{1}{3}$							26	17- 4
27	6- 0							27	18- 0
28	6- 2 $\frac{1}{3}$							28	18- 8
29	6- 5 $\frac{1}{3}$							29	19- 4
30	6- 8							30	20- 0
31	6-10 $\frac{1}{3}$							31	20- 8
32	7- 1 $\frac{1}{3}$							32	21- 4
33	7- 4							33	22- 0
34	7- 6 $\frac{1}{3}$							34	22- 8
35	7- 9 $\frac{1}{3}$							35	23- 4
36	8- 0							36	24- 0
37	8- 2 $\frac{1}{3}$							37	24- 8
38	8- 5 $\frac{1}{3}$							38	25- 4
39	8- 8							39	26- 0
40	8-10 $\frac{1}{3}$							40	26- 8
41	9- 1 $\frac{1}{3}$							41	27- 4
42	9- 4							42	28- 0
43	9- 6 $\frac{1}{3}$							43	28- 8
44	9- 9 $\frac{1}{3}$							44	29- 4
45	10- 0							45	30- 0
46	10- 2 $\frac{1}{3}$							46	30- 8
47	10- 5 $\frac{1}{3}$							47	31- 4
48	10- 8							48	32- 0
49	10-10 $\frac{1}{3}$							49	32- 8
50	11- 1 $\frac{1}{3}$							50	33- 4
51	11- 4							51	34- 0
52	11- 6 $\frac{1}{3}$	115	25- 9 $\frac{1}{3}$	52	17- 4	52	23- 1 $\frac{1}{3}$	52	34- 8
53	11- 9 $\frac{1}{3}$	116	26- 0	53	17- 8	53	23- 6 $\frac{1}{3}$	53	35- 4
54	12- 0	118	26- 2 $\frac{1}{3}$	54	18- 0	54	24- 0	54	36- 0
55	12- 2 $\frac{1}{3}$	119	26- 5 $\frac{1}{3}$	55	18- 4	55	24- 5 $\frac{1}{3}$	55	36- 8
56	12- 5 $\frac{1}{3}$	120	26- 8	56	18- 8	56	24-10 $\frac{1}{3}$	56	37- 4
57	12- 8	121	26-10 $\frac{1}{3}$	57	19- 0	57	25- 4	57	38- 0
58	12-10 $\frac{1}{3}$	122	27- 1 $\frac{1}{3}$	58	19- 4	58	25- 9 $\frac{1}{3}$	58	38- 8
59	13- 1 $\frac{1}{3}$	123	27- 4	59	19- 8	59	26- 2 $\frac{1}{3}$	59	39- 4
60	13- 4	124	27- 6 $\frac{1}{3}$	60	20- 0	60	26- 8	60	40- 0
61	13- 6 $\frac{1}{3}$	125	27- 9 $\frac{1}{3}$	61	20- 4	61	27- 1 $\frac{1}{3}$	61	40- 8
62	13- 9 $\frac{1}{3}$	126	28- 0	62	20- 8	62	27- 6 $\frac{1}{3}$	62	41- 4
63	14- 0	127	28- 2 $\frac{1}{3}$	63	21- 0	63	28- 0	63	42- 0
64	14- 2 $\frac{1}{3}$	128	28- 5 $\frac{1}{3}$	64	21- 4	64	28- 5 $\frac{1}{3}$	64	42- 8

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